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JANUARY TO JUNE

1878

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# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 30, 1878.

## OFFICIAL PAPERS.

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### Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 26th January 1878.*

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
1	Burdwan, Jan. 26 '78	Nil	The prospects of the <i>rubbee</i> crops are favorable. Cholera has broken out in the Bood-Bood sub-division and still continues at Culna. Fever is also prevalent in the Bood-Bood sub-division.
2	Bankoora, „ 26 „	Nil	Weather—gradually getting warmer; foggy on the morning of the 26th. The state and prospects of the crops are the same as reported last week.
3	Beerbhoom, „ 26 „	Nil	Weather—seasonable. Cloudy on the 26th. No change to report in the state and prospects of the crops.
4	Midnapore „ 26 „	Nil	Weather—getting rapidly warmer Prospects of the crops are fair as before.
5	Hooghly, „ 26 „	Nil	Weather—seasonable. The late rice harvest is over; the result is an average crop. The <i>rubbee</i> crops on the ground are doing well. There has been a change for the better in the state of public health.
	Howrah, „ 29 „	Nil	Weather—rather agreeable; neither too cold nor too hot; for the last few days the southern breeze has commenced blowing. The reaping of the <i>aman</i> crop is almost complete. Sugarcane has grown in abundance, and the general state of the crop can be pronounced good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Central Districts.</i>			
<b>PRESIDENCY DIV.</b>	6 24-Pergunnahs, Jan. 26 '78	Nil	Weather—seasonable. The reaping of the <i>amun</i> crop is over. Fever has much abated, but cholera still prevails in some places.
	7 Nuddea, „ 26 „	Nil	Weather—generally fair and cool. Prospects are fair. The cold-weather crops are said to be coming on well. Fever and cholera are reported from Bongong. The reports from Koochtea are favorable.
	8 Jessore, „ 26 „	Nil	Weather—a little warmer than last week. State and prospects of the winter crops are favorable. Ploughing for the spring crops is beginning.
	9 Moorshedabad, „ 26 „	Nil	Weather—seasonable. The reaping of the <i>amun dhan</i> is finished. The prospects of the <i>rubbee</i> and other standing crops continue to be favorable. Fever and cholera are on the decrease, except in Bhurutpore, Burwa, and Hurlhurpara.
	10 Dinagepore, „ 25 „	Nil	Weather—fair. Getting warm. The harvest of rice is 14 annas.
<b>RAJSHAHY AND COCH BEHAR DIV.</b>	11 Rajshahye, „ 26 „	Nil	Weather—cold and clear. The <i>amun</i> harvest is nearly finished. The crop has yielded an outturn a little over the average. The seedlings of the <i>bora</i> rice have germinated freely and are looking well.
	12 Rungpore, „ 25 „	Nil	Weather—cold and fine. The crops are generally good. The tobacco crop is not so forward as in last year.
	13 Bogra, „ 26 „	Nil	Weather—clear and seasonable. North-west wind prevailing. Nothing to report about the crops. Prices are stationary. Cholera is on the decrease in Adamdighi, and has entirely disappeared from Panchbibi.
	14 Pubna, „ 26 „	Nil	Weather—cool. The harvesting of <i>kuldee</i> and sugarcane is still going on. The prospects of the <i>rubbee</i> crops continue good. Fever has not as yet quite disappeared from the Pubna town.
	15 Darjeeling, „ 25 „	Nil	Weather—very changeable; sometimes bright sunshine, and again very misty. The rice crop has turned out well. Ground is being prepared for sowing seed. The young wheat, barley, and buckwheat in the hills are doing well.
	16 Jalpigoree, „ 26 „	Nil	The last few days the weather has got decidedly warmer. Prospects of tobacco and other cold-weather crops are good.
	Cooch Behar, „ 24 „	Nil	Weather—very cold in the first part of the week, but is now warmer. The reaping of the <i>amun</i> crop is over and the outturn is good. The new rice is selling at Rs. 3 per maund. The prospects of the cold-weather crops on the ground are so far good, but rain is required. Fever is abating and the general health has improved.
<i>Eastern Districts.</i>			
<b>DACCA DIV.</b>	17 Dacca, Jan. 26 '78	Nil	Weather—seasonable, but warmer than last week. State and prospects of the crops are favorable.
	18 Furreedpore, „ 26 „	Nil	Weather—cool. The state and prospects of the winter crops are fair.
	19 Backergunge, „ 24 „	Nil	All is well.
	20 Mymensingh, „ 25 „	Nil	Weather—seasonable. There is nothing unfavorable to report about the crops.
	21 Tipperah, „ 25 „	Nil	Weather—fair; a little cloudy in the west. About half the mustard crop has been gathered. Most of the <i>bora dhan</i> and about half the chillies have been transplanted. Part of the sugarcane crop has been cut. The state of the cold-weather crops is flourishing. Average price of rice is about Rs. 2-6 per maund.
<b>CHITTAGONG DIV.</b>	22 Chittagong, „ 24 „	Nil	Weather—cool and fine. State and prospects of the crops are good. 67,850 maunds of rice, and 12,305 maunds of paddy have been imported mostly for re-export. Prices range from 13 to 25 seers per rupee.
	23 Noakholly, „ 24 „	Nil	Weather—seasonable. The cold-weather crops are progressing favorably. Public health is good.
	24 Chittagong Hill Tracts, „ 22 „	Nil	Weather—very cold throughout the week. The hill people have begun to cut jungles for their <i>jooms</i> . The prospects of the mustard which are not destroyed by insects are fair.
	Hill Tipperah, „ 23 „	Nil	Weather—warmer than usual at this time of the year. Nothing new to report about the crops this week.
<b>BEHAR.</b>			
<b>PAUNA DIV.</b>	25 Patna, Jan. 26 '78	Nil	Weather—seasonably cold. The harvesting of the rice crop is almost completed. Prospects of the <i>rubbee</i> crops continue good. Health is good.
	26 Gya, „ 26 „	Nil	Sky clear and weather cool. Maximum thermometer in the shade 78-2°. Peas and mustard are being reaped generally. In Jehanabad the <i>rubbee</i> requires no more rain. In Nowada the crops are everywhere excellent; but in Aurngabad it is reported that the linseed, pulse, and peas have suffered damage from the late heavy rains.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Continued.)</b>			
PATNA DIVISION.	27 Shahabad, Jan. 26 '78	Nil	Weather—clear, and cloudy occasionally. The <i>rubbee</i> crops continue promising owing to the late rains. Peas and gram are ripening. Prices have risen.
	28 Durbhunga, „ 26 „	Nil	Weather—clear, and sometimes cloudy. The prospects of the <i>rubbee</i> crops are fair. Prices are still rising owing to exportation. Public health is good.
	29 Mozufferpore, „ 26 „	Nil*	Weather—seasonable and cold. The <i>rubbee</i> crops are doing well. Prices of food-grains are stationary.
	30 Saran, „ 26 „	Nil	Weather—seasonable. West wind prevailing. The prospects of the <i>rubbee</i> crops continue fair. No more rain is wanted. Mustard is in seed. Poppy is in flower. Prices have fallen. Public health is good.
	31 Champaran, „ 26 „	Nil	Weather—seasonable. The prospects of the crops continue favorable. Importation of <i>makai</i> from Tirhoot continues. Prices are stationary. Public health is good.
BHAGULPORE DIV.	32 Monghyr, „ 26 „	Nil	Weather—seasonable. State and prospects of the crops are good.
	33 Bhagulpore, „ 26 „	Nil	Weather—clear and cold. The prospects of the <i>rubbee</i> crops are good, but more rain is wanted, especially in the Soopole sub-division. Prices of food-grains are still rising, owing to large exportations up-country by rail. General health is good.
	34 Purneah, „ 26 „	Nil	Weather—clear and cool. The prospects of the <i>rubbee</i> crops still continue good, but more rain would be beneficial, particularly to the south of the district. <i>Tuori</i> is being plucked.
	35 Maldah, „ 26 „	Nil	Weather—fair. The <i>Loro</i> paddy plants are being transplanted, and in some places irrigated. The <i>haimunti</i> paddy and <i>rubbee</i> crops are being reaped. Fever of the malarious type is raging fearfully in some places.
	36 Sonthal Perghe, „ 27 „	Nil	Weather—fine. Getting warm. No change in the state and prospects of the crops since last report. Exportation of rice is active.
<b>ORISSA.</b>			
ORISSA DIV.	37 Cuttack, Jan. 26 '78	Nil	Mornings cloudy. Weather hot in the day time. There was a heavy shower at Jajpore on the 22nd. No change about the crops and public health since last report.
	38 Pooree „ 24 „	Nil Khoorda 0'07	Weather—warm for the season. <i>Sarad</i> rice is being harvested. The crop is deficient. Mustard, <i>urhar</i> and sugarcane are being cut. <i>Moong</i> and <i>kalai</i> promise well. The tobacco crop is likely to be a good one. The <i>dalu</i> rice plants are looking well in low lands, but on the uplands are suffering for want of rain. The <i>mandia</i> crop in the salt tracts is suffering severely for the same reason. The loss of the <i>sarad</i> rice crop on the sea coast tracts to the north-east of Pooree has been considerable. Common rice is selling from 13½ to 21 seers per rupee. Export by the Chilka Lake and by road to the Madras Presidency has increased. There is shipping waiting in the port of Pooree for rice. Cholera is reported from some places.
	39 Balasore, „ 25 „	Nil	Weather—warm for the season. The <i>rubbee</i> crops are doing well, and in some places being reaped. Fever is still prevalent in the north; otherwise the public health is good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
40	Hazareebagh, Jan. 25 '78	Nil	Weather—warmer than in the preceding week. State and prospects of the crops remain unchanged.
41	Lohardugga, „ 26 „	Nil	No rain has fallen in any part of the district, except a shower in one police circle in the extreme south. The prospects of the <i>rubbee</i> crops are good. Public health is good.
42	Singbhoom, „ 25 „	Nil	Weather—seasonable. Nothing to report about the crops. The district is healthy.
43	Manbhoom, „ 26 „	Nil	Weather—very warm, and all signs of rain have disappeared. The prospects of the <i>mohwa</i> crop depend upon rain now, and more a month hence. If rain does not fall a failure of the crop is apprehended, and consequent distress amongst the labouring classes and the poorer agriculturists in parts of the district. Cholera is reported to have made its appearance in Raipore in the south of the district.

\* 1'27 since reported.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 29th January 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal.



## STATEMENT SHOWING SEASONAL RAINFALL FOR EACH SUB-DIVISION IN BENGAL DURING 1877.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
NAMES OF DIVISIONS AND DISTRICTS.			REGISTERED RAINFALL IN INCHES AT ALL THE STATIONS NAMED IN COLUMN 2.																		
Names of stations.			Fall to end of April (4 months).	Fall to end of April (4 months).	Fall to end of June (6 months).	Average of Fall in years, as per column 3.	Fall in years, as per column 3.	Average of Fall in years, as per column 3.	Fall in September (1 month).	Fall in October (1 month).	Average of Fall in years, as per column 3.	Fall to end of September (3 months).	Fall in October (1 month).	Average of Fall in years, as per column 3.	Fall to end of October (2 months).	Fall in November (1 month).	Average of Fall in years, as per column 3.	Fall in December (1 month).	Total fall of the year 1877.		
Burdwan Division.			Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	
Burdwan	Burdwan	14-16	6.15	5.74	21.73	16.47	45.95	17.55	54.48	2.57	8.51	5.40	2.20	50.85	50.42	0.76	0.31	0.05	60.62	50.53	
	Cuttack	6-7	4.85	6.06	21.15	22.90	43.10	55.57	50.91	7.97	7.81	3.74	2.85	51.65	51.65	0.05	0.30	0.05	59.70	59.19	
	Culta	6-7	7.05	4.88	17.79	15.50	39.31	47.38	41.79	2.71	5.38	4.27	3.03	43.06	43.06	0.31	0.19	0.19	43.37	43.47	
	Bood-Bood	6-7	8.97	8.94	14.73	12.23	38.14	40.12	45.58	5.46	8.19	4.42	1.61	51.79	51.79	0.19	0.19	0.19	51.95	44.61	
	Kancherunge	7	3.19	4.14	13.85	13.92	57.38	45.43	43.89	19.36	6.51	3.38	2.40	57.28	57.28	0.27	0.13	0.13	54.43	54.43	
Bankoora	Jehanabad	5-6	4.93	7.59	19.68	20.96	42.35	68.88	11.47	9.49	53.82	76.37	6.21	50.03	50.03	0.09	0.04	0.04	60.12	79.44	
	Bankoora	17-19	4.84	4.78	19.33	11.93	41.56	30.06	9.63	11.30	59.19	30.96	5.29	55.48	54.51	1.38	0.32	0.32	58.56	54.53	
	Beerboom	13-14	2.99	6.15	14.95	19.80	40.52	42.42	9.39	12.23	49.01	55.65	2.59	54.90	57.48	0.26	0.71	0.71	61.35	57.51	
	Hemampore	2	5.48	7.57	31.03	17.96	60.49	43.12	70.01	12.23	71.01	55.35	2.13	73.51	57.48	0.71	0.71	0.71	73.51	58.19	
	Midnapore	11-13	4.39	10.23	21.31	24.90	49.54	46.02	8.99	2.99	52.50	43.01	0.14	58.04	44.10	0.44	3.43	3.43	59.08	47.62	
Hooghly	Tumlook	6-7	7.05	8.49	22.95	19.52	40.18	40.18	4.17	44.90	55.26	44.30	0.26	61.45	44.90	0.26	0.22	0.22	61.45	44.90	
	Contal	9-10	4.32	8.95	20.34	20.00	46.65	55.19	13.10	5.72	59.75	60.91	11.55	71.69	64.15	1.50	0.21	0.21	73.10	64.15	
	Hooghly	12	7.05	6.58	23.83	21.16	49.11	46.06	7.88	4.98	53.69	50.74	3.94	53.93	51.71	0.58	1.42	1.42	60.40	56.13	
	Serraampore	5-6	5.58	8.34	15.62	20.54	41.65	46.25	6.37	8.96	49.52	50.14	5.09	54.21	52.26	0.42	0.68	0.68	54.63	55.96	
	Howrah	8-9	7.11	10.48	23.77	19.91	49.76	51.95	10.00	6.01	59.76	55.56	5.05	64.51	61.59	0.45	0.22	0.22	65.26	61.81	
Presidency Division.																					
Pargunnahs	Saugor Island	9-10	3.69	7.25	20.84	21.27	49.83	54.55	18.07	5.51	62.96	62.12	10.04	4.91	73.84	68.95	0.71	0.06	0.06	71.55	68.99
	Alipore (Jail)	6-7	6.31	9.07	22.02	19.35	49.22	52.90	9.02	8.24	58.31	61.78	1.34	64.60	61.78	0.30	0.30	0.30	64.60	61.78	
	Buxar	6-7	5.58	7.50	20.71	23.25	44.25	49.81	7.73	6.83	62.10	52.58	2.53	65.80	62.10	0.30	0.30	0.30	65.80	61.78	
	Baraset	6-7	5.57	7.84	20.66	21.18	42.37	46.60	7.32	6.04	61.27	52.58	2.53	65.80	52.58	0.30	0.30	0.30	65.80	61.78	
	Diamond Harbour	6-7	6.25	11.39	21.32	21.83	49.75	57.64	11.52	6.04	61.27	58.73	2.53	65.80	58.73	0.30	0.30	0.30	65.80	61.78	
Calcutta	Haripur	6-7	4.43	8.68	20.56	21.83	49.75	57.64	6.25	6.04	55.34	64.45	4.23	58.46	77.15	0.40	0.25	0.25	60.49	72.67	
	Salikha	6-7	8.20	12.82	23.72	21.83	49.75	57.64	7.78	10.11	55.34	70.93	4.15	51.73	77.15	1.98	0.62	0.62	73.18	73.18	
	Barrackpore	6-7	5.82	7.75	21.36	2.11	41.40	47.73	6.16	4.33	52.06	52.06	4.05	51.73	56.91	0.25	0.41	0.41	53.51	57.48	
	Dum-Dum	6-7	5.51	7.91	20.59	16.39	44.67	44.56	8.34	6.27	53.21	50.83	5.17	58.35	51.53	0.25	0.41	0.41	58.08	54.94	
	Calcutta	47-48	5.60	6.79	22.67	16.02	40.29	47.39	10.18	8.98	59.47	56.37	5.01	65.05	55.77	0.83	2.19	2.19	65.96	60.96	
Nuddes	Kishnachur	12-14	6.88	12.82	23.14	23.49	45.47	65.00	6.85	1.91	52.32	64.91	4.24	56.56	60.44	0.22	0.83	0.83	52.79	70.31	
	Bongore	7	5.64	10.12	21.63	20.46	44.31	67.34	8.05	5.21	51.29	72.71	4.93	56.14	73.79	0.46	0.20	0.20	56.60	70.99	
	Meherpore	6-7	5.64	10.12	21.63	20.46	44.31	67.34	8.05	5.21	51.29	72.71	4.93	56.61	73.79	0.46	0.20	0.20	56.60	70.99	
	Choochanganah	6-7	5.57	11.32	23.43	23.43	43.67	63.02	6.04	52.08	52.08	71.96	3.55	54.19	96.94	0.14	1.40	1.40	53.63	97.44	
	Kooshia	6-7	6.09	7.82	23.59	23.59	42.32	78.44	8.13	16.33	51.05	94.79	3.44	49.76	61.26	0.30	0.63	0.63	50.06	64.91	



Statement showing seasonal Rainfall for each Sub-Division in Bengal.—(Continued.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
REGISTERED RAINFALL IN INCHES AT ALL THE STATIONS NAMED IN COLUMN 2.																						
NAMES OF DIVISIONS AND DISTRICTS.	Names of Stations.	Number of years for which the total rainfall is taken over.	Fall to end of April (4 months).			Fall to end of June (6 months).			Fall to end of August (8 months).			Fall to end of September (9 months).			Fall in October (1 month).			Fall after October and to end of December (2 months).			Total fall of the year.	
			Average of years, as per column 3.			Average of years, as per column 3.			Average of years, as per column 3.			Average of years, as per column 3.			Average of years, as per column 3.			Average of years, as per column 3.				
			Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.		Inches.
CHITTAGONG DIVISION.																						
Chittagong	Chittagong	17-19	7.92	8.39	32.62	32.29	83.25	106.99	12.84	21.89	98.19	122.38	6.31	1.89	102.50	124.77	2.09	0.21	104.59	124.98		
	Cox's Bazar	6-7	5.84	4.13	51.93	37.11	117.64	125.51	16.20	14.54	133.74	140.35	8.45	4.94	142.19	145.29	1.54	2.43	143.73	147.71		
Noakhully	Noakhully	17-19	7.22	11.82	39.59	44.92	81.05	101.99	15.92	18.79	96.97	150.78	9.57	1.49	105.54	122.27	1.53	0.20	106.87	122.47		
Chittagong Hill Tracts	Rangamatee Hill	8	8.05	16.95	33.57	37.02	72.42	102.24	11.19	26.24	63.61	131.48	7.85	3.89	91.46	135.56	1.45	0.61	92.91	135.97		
Hill Tipperah	Hill Tipperah	4-5	10.86	16.10	33.42	35.95	62.67	69.59	8.03	9.78	70.70	79.37	4.23	3.29	74.92	82.66	1.37	1.21	76.29	85.87		
PATNA DIVISION.																						
Patna	Patna	17-19	1.99	3.11	9.88	9.21	28.16	25.18	7.47	2.11	35.63	25.29	2.83	5.93	35.26	31.12	0.28	0.73	35.54	31.84		
	Behar	6-7	1.59	4.34	9.15	14.38	33.59	33.37	6.17	6.34	40.06	39.71	3.13	3.53	43.18	43.24	0.04	0.53	43.24	43.77		
	Barh	6-7	1.45	3.22	8.91	12.40	26.71	26.71	8.66	6.21	37.54	31.92	2.91	8.27	40.34	40.19	0.05	0.16	40.39	40.35		
	Dhrees	6	0.91	...	7.33	...	32.85	...	6.70	...	39.53	...	1.56	...	41.14	...	0.15	...	41.29	...		
	Dinapore	6-7	1.21	2.57	9.92	5.31	30.68	17.33	8.72	1.41	39.40	19.79	2.75	4.68	42.15	23.47	0.06	0.84	42.21	24.31		
Gya	Gya	11-13	1.95	3.21	8.55	14.87	30.05	31.46	6.89	9.34	36.04	40.90	3.32	1.92	40.26	42.72	0.09	0.87	40.35	43.89		
	Nowada	6-7	1.59	5.37	10.20	16.80	34.95	37.85	7.54	7.07	42.49	45.32	2.47	1.67	44.95	47.19	0.17	1.05	45.13	48.25		
	Aurumabad	6-7	1.76	10.31	7.33	22.10	34.31	34.31	6.66	1.93	40.92	36.28	2.37	0.52	43.39	37.06	0.20	1.02	43.49	39.05		
	Jehanabad	4	0.90	5.45	6.78	10.88	32.25	22.59	4.60	2.39	26.85	24.79	2.30	1.79	39.15	26.58	0.05	0.60	39.15	27.18		
Shahabad	Arrah	17-19	2.44	6.46	10.30	11.75	33.75	24.30	9.65	1.35	43.40	25.74	2.63	2.83	45.03	28.57	0.28	0.33	46.31	29.89		
	Sasaram	6-7	1.04	4.37	7.44	9.21	35.22	21.90	6.16	4.03	41.38	25.93	3.97	0.97	45.35	21.90	0.09	0.56	45.44	27.46		
	Buxar	8-9	1.28	8.01	7.90	9.77	30.76	15.02	5.32	1.56	39.08	20.13	3.14	3.42	42.22	24.10	0.15	0.53	42.37	24.64		
	Bhuboah	6-7	1.94	5.15	9.59	7.92	38.71	20.65	7.82	4.27	46.53	24.95	2.79	1.55	49.32	26.50	0.11	2.10	49.43	25.60		
Monseerpore	Monseerpore	13-15	2.29	3.99	10.42	7.57	30.61	19.91	9.18	2.89	39.77	22.90	2.63	5.24	42.44	28.06	0.03	0.95	43.47	29.01		
	Hajepore	5-6	1.67	12.16	11.06	15.92	32.46	54.40	10.52	2.71	45.95	37.81	3.25	10.91	46.23	48.52	0.10	0.20	46.33	43.73		
	Seetamurhee	6	3.05	4.82	14.26	10.27	32.55	31.37	10.56	2.81	45.11	33.78	2.56	0.92	45.67	34.37	0.08	0.30	45.75	34.67		
Durbhanga	Durbhanga	6	1.75	3.86	10.08	9.05	33.41	34.91	10.90	7.85	44.31	41.76	1.81	8.15	46.12	52.91	0.07	0.96	46.19	53.87		
	Muchhoobunnee	5-6	3.74	3.91	12.99	7.89	31.76	26.96	11.29	14.88	43.05	43.68	2.03	4.18	45.05	48.01	0.01	0.40	45.09	43.41		
	Tajpore	6	2.10	4.78	11.99	8.19	29.64	26.90	9.49	1.29	59.13	29.19	1.57	5.55	40.70	33.74	0.02	0.05	40.73	35.79		
Saran	Chupra	17-20	2.05	4.45	8.91	6.92	26.47	21.77	7.03	2.21	33.50	24.00	2.63	2.63	36.12	26.62	0.02	0.83	36.14	27.45		
	Saran	6-7	1.60	5.23	13.76	11.61	35.84	23.96	11.69	0.44	47.53	25.40	3.63	6.90	51.16	31.06	0.12	0.07	51.28	31.07		
Champaran	Motiharee	11-13	2.05	6.32	13.24	8.94	34.89	25.24	9.27	0.62	44.16	25.64	3.87	1.43	49.03	27.29	0.14	0.32	49.17	27.61		
	Bettiah	5-6	2.73	6.81	14.69	15.90	38.61	34.58	13.25	0.66	51.96	35.23	1.77	1.33	53.63	36.56	0.06	0.46	53.69	37.00		

[illegible]

*N.B.*—The periods taken in the Statement represent roughly the distribution of rainfall most necessary to the agriculturist. The fall to the end of April may be called 'the ploughing fall,' that to the end of June 'the sowing fall.' The fall between June and August matures the *arose*, and is essential to the transplantation of the *amasa*. The fall in September matures the *amasa*, while that after September fills out the ear of the *amasa* rice and determines the prospect of the *rabbi*.

STATISTICAL DEPT.,  
The 29th January 1878.

**A. MACKENZIE,**  
*Secy. to the Govt. of Bengal.*

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 8th Jan to 12th Jan. 1878.	Rain from 13th Jan. to 19th Jan. 1878.	RAIN FROM 1ST JANUARY 1878.	REMARKS.
			Inches.	Inches.	Inches. Up to date.	
<b>BENGAL.</b>						
<b>BURDWAN.</b>	<b>WESTERN DISTRICTS.</b>	Burdwan ...	Nil	Nil	0.03	19th Jan.
		Cutwa ...	0.05	ditto	0.05	ditto
		Culna ...	Nil	ditto	Nil	ditto
		Bood-Bood ...	ditto	ditto	ditto	ditto
		Rancegunge ...	ditto	ditto	ditto	ditto
		Jehanabad ...	ditto	ditto	0.35	ditto
	Bankoora ...	Bankoora ...	ditto	ditto	0.12	ditto
	Beerbhoom ...	Sooree ...	0.00	0.06	0.11	ditto
		Hetainpore ...	Nil	Nil	Nil	ditto
		Roypore ...	ditto	ditto	ditto	ditto
	Midnapore ...	Midnapore ...	0.71	ditto	1.42	ditto
		Tumlook ...	Nil	ditto	1.05	ditto
		Ghattal ...	ditto	ditto	1.55	ditto
	Hooghly ...	Contai... { Dy. Collr.'s Office... Exe. Engr.'s Office	Not recd.	Not recd.	.....	12th Jan.
		Hooghly ...	Nil	ditto	Nil	ditto
<b>PRESDENCY.</b>	<b>CENTRAL DISTRICTS.</b>	Seraampore ...	ditto	ditto	0.83	ditto
		Howrah ...	ditto	ditto	1.05	ditto
		Maheshbika ...	ditto	ditto	2.05	ditto
	24-Pergunnahs ...	Saugor Island ...	ditto	Nil	0.50	19th Jan.
		Alipore ... { Observatory ... Dispensary ... Jail ...	ditto	ditto	Nil	ditto
		Busseerhat ...	ditto	ditto	2.80	ditto
		Buraset ...	ditto	ditto	2.78	ditto
		Diamond Harbour ...	ditto	ditto	0.82	ditto
		Barrapore ...	ditto	ditto	0.39	ditto
		Satkhira ...	ditto	ditto	1.11	ditto
		Barrackpore ...	ditto	ditto	1.37	ditto
		Dum-Dum ...	ditto	ditto	1.14	ditto
		Kishnaghur ...	ditto	ditto	0.83	ditto
		Pongong ...	ditto	ditto	1.25	ditto
		Meherpore ...	ditto	ditto	Nil	ditto
		Chooadanga ...	ditto	ditto	ditto	ditto
		Nuddea ...	ditto	0.05	0.65	ditto
		Kooshita ...	ditto	0.04	0.10	ditto
		Rauaghat ...	ditto	Nil	Nil	ditto
		Jessore ...	ditto	ditto	0.57	ditto
	Jessore ...	Narail ...	ditto	ditto	0.41	ditto
		Khoolna ...	ditto	ditto	0.98	ditto
		Jhenida ...	ditto	ditto	0.50	ditto
		Bagirhat ...	ditto	ditto	0.10	ditto
		Magoorah ...	ditto	ditto	0.75	ditto
		Berhampore ...	ditto	ditto	0.09	ditto
	Moorshedabad ...	Rampore Haut ...	0.04	0.10	0.14	ditto
		Lalbagh ...	Nil	Nil	Nil	ditto
		Jungypore ...	ditto	0.17	0.17	ditto
		Azingunge ...	ditto	Nil	Nil	ditto
		Lalgolla ...	ditto	0.1	0.10	ditto
		Kandee ...	ditto	Nil	Nil	ditto
	Dinagopore ...	Dinagopore ...	ditto	ditto	ditto	ditto
		Raizunge ...	ditto	ditto	ditto	ditto
		Maldah ...	ditto	ditto	ditto	ditto
	Rajshahye ...	Chanchal ...	ditto	ditto	ditto	ditto
		Bauleah ...	ditto	ditto	ditto	ditto
		Nattore ...	ditto	ditto	ditto	ditto
	Rungpore ...	Rungpore ...	ditto	ditto	ditto	ditto
		Bhabanigunge ...	ditto	ditto	ditto	ditto
		Kurigram ...	ditto	ditto	ditto	ditto
		Bagdogra ...	ditto	ditto	ditto	ditto
<b>RAJSHAHYE.</b>	Bogra ...	Bogra ...	ditto	ditto	ditto	ditto
		Sherpore ...	ditto	ditto	ditto	ditto
		Nowkhilla ...	ditto	ditto	ditto	ditto
		Panchababi ...	ditto	ditto	ditto	ditto
		Halulya ...	Not recd.	Not recd.	ditto	5th Jan.
	Pubna ...	Pubna ...	Nil	Nil	0.03	19th Jan.
		Serajung ...	ditto	0.10	0.10	ditto
	Darjeeling ...	Darjeeling... { Telegraph Office Hospital	ditto	0.37	0.37	ditto
			ditto	0.37	0.37	ditto
	Julpigoree ...	Julpigoree ...	ditto	Nil	Nil	ditto
		Bodab ...	ditto	ditto	ditto	ditto
		Buxa—Civil Surgeon's Office	ditto	ditto	ditto	ditto
		Titalya ...	ditto	ditto	ditto	ditto
	Cooch Behar Tribu- tary States.	Cooch Behar ...	ditto	ditto	ditto	ditto

DIVISION.	DISTRICTS.	STATIONS.	Rain from 6th to 12th Jan. 1878.	Rain from 13th to 19th Jan. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL—continued.								
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.		1878.		
		Dacca { Telegraph Office ...	Nil	Nil	0.48	19th Jan.		
	Dacca { Hospital ...	ditto	ditto	0.73	ditto			
	Furzedpore	Moonsheegunge ...	ditto	ditto	0.88	ditto		
		Manickgunge ...	ditto	ditto	0.33	ditto		
		Furzedpore ...	ditto	ditto	Nil	ditto		
	Rackergunge	Goalundo ...	ditto	ditto	0.78	ditto		
		Madanipore ...	ditto	ditto	0.62	ditto		
		Burrisal ...	Not recd.	Not recd.	0.63	6th Jan.		
		Perozepore ...	ditto	ditto	0.55	ditto		
	Mymensingh	Patoakhally ...	ditto	ditto	0.30	ditto		
		Bhola ...	ditto	ditto	0.38	ditto		
		Mymensingh ...	Nil	Nil	Nil	19th Jan.		
		Jamalpore ...	ditto	ditto	ditto	ditto		
	CHITTAGONG.	Chittagong	Atia ...	ditto	ditto	ditto	ditto	
			Kishoregunge ...	ditto	ditto	0.68	ditto	
Chittagong		Chittagong { Telegraph Office ...	ditto	ditto	Nil	ditto		
		Chittagong { Jail ...	ditto	ditto	0.26	ditto		
Noakholly		Cox's Bazar ...	ditto	ditto	Nil	ditto		
		Noakholly ...	ditto	ditto	1.19	ditto		
Tipperah		Fenny ...	ditto	ditto	2.48	ditto		
		Comillah ...	ditto	ditto	0.90	ditto		
Chittagong Tracts, Hill Tipperah		Brahmanbariah ...	ditto	ditto	1.43	ditto		
		Hill Rungamatee Hill... ..	ditto	ditto	0.53	ditto		
BEHAR.	Patna	Hill Tipperah ...	ditto	ditto	0.62	ditto		
		Patna ...	0.50	0.26	0.76	ditto		
	Patna	Behar ...	0.58	0.02	0.58	ditto		
		Barh ...	0.15	Nil	0.45	ditto		
		Dinapore { Jail ...	Dinapore ...	0.69	Not recd.	0.69	12th Jan.	
			Dinapore { Cantonment... ..	0.60	0.28	0.97	19th Jan.	
	Gya	Gya ...	0.20	0.63	0.83	ditto		
		Nowadah ...	1.21	0.21	1.42	ditto		
		Aurangabad	Aurangabad ...	0.04	0.80	0.84	ditto	
			Jehanabad ...	1.43	0.35	1.78	ditto	
	Shahabad	Arrah ...	0.95	0.43	1.38	ditto		
		Sasaram ...	0.46	0.34	0.80	ditto		
		Buxar ...	1.38	0.64	2.02	ditto		
		Bhuboah ...	0.80	2.00	2.80	ditto		
	PAINA.	Muzafferpore	Muzafferpore ...	Nil	Not recd.	Nil	12th Jan.	
			Hajepore ...	0.43	0.23	0.66	19th Jan.	
Seetamurhee ...			Nil	0.21	0.21	ditto		
Durbhunga		Durbhunga ...	ditto	0.16	0.16	ditto		
		Mudhoobunnee ...	ditto	0.18	0.18	ditto		
		Tajpore ...	ditto	Nil	Nil	ditto		
Sarun		Chupra ...	0.24	0.36	0.60	ditto		
		Sewan ...	0.10	0.80	0.90	ditto		
Chumparan		Motiharee ...	0.08	Not recd.	0.08	12th Jan.		
		Bettiah ...	Nil	ditto	Nil	ditto		
		Segowlie ...	ditto	ditto	ditto	ditto		
Monghyr		Monghyr ...	0.08	0.01	0.09	19th Jan.		
	Begoesera ...	0.13	Nil	0.13	ditto			
	Jamouge ...	0.77	0.05	0.82	ditto			
Bhagulpore	Bhagulpore ...	0.21	Nil	0.21	ditto			
	Sopool ...	Nil	ditto	Nil	ditto			
	Muddehpooora ...	ditto	0.30	0.30	ditto			
	Banka ...	ditto	0.20	0.20	ditto			
	Sonbursa ...	ditto	Nil	Nil	ditto			
Purneah	Purneah ...	ditto	ditto	ditto	ditto			
	Kiesengunge ...	ditto	ditto	ditto	ditto			
	Arrareah ...	ditto	ditto	ditto	ditto			
Sonthal Pergunnahs...	Nya Doomka ...	0.20	0.17	0.37	ditto			
	Rajmehal ...	Nil	Nil	Nil	ditto			
	Deoghur ...	ditto	0.58	0.58	ditto			
	Godda ...	ditto	Nil	Nil	ditto			

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 6th to 12th Jan. 1878.	Rain from 13th to 19th Jan. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
ORISSA.	CUTTACK.	Cuttack... { Telegraph Office	Nil	Nil	Nil	19th Jan.	
		... { Hospital	0.12	ditto	0.12	ditto	
		Jajpore	Nil	ditto	Nil	ditto	
		Kendraparah	ditto	ditto	ditto	ditto	
		Jagatsingapore	ditto	ditto	ditto	ditto	
		False Point	ditto	ditto	ditto	ditto	
		Pooree	ditto	ditto	ditto	ditto	
		Khurdah	ditto	0.07	0.07	ditto	
		Balasore	ditto	Nil	0.50	ditto	
		Bhadrack	ditto	ditto	Nil	ditto	
	BALASORE.	Jellapore	ditto	ditto	0.88	ditto	
		Sorah	ditto	ditto	Nil	ditto	
		Chandbally	ditto	ditto	ditto	ditto	
		Cuttack Tributary	Sumbalporo	ditto	Not recd.	ditto	12th Jan.
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	HAZAREEBAGH.	Hazareebagh... { Jail	ditto	0.03	0.03	19th Jan.	
		... { Dispensary	ditto	0.03	0.03	ditto	
	LOBARDUGGA.	Pachamba	0.04	0.10	0.20	ditto	
		Ranchee	Nil	Not recd.	Nil	12th Jan.	
	SINGHHOON.	Palainow	ditto	ditto	ditto	ditto	
		Chyebassa	ditto	0.13	0.78	19th Jan.	
	MANBHOOM.	Purulia	ditto	0.14	0.14	ditto	
		Goviudpore	0.00	Not recd.	0.09	12th Jan.	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	Nil	Nil	0.10	19th Jan.	
	SIBSAGAR.	Sibsagar	ditto	Not recd.	0.04	12th Jan.	
		Golaghat	0.23	ditto	0.23	ditto	
		Jorhat	Not recd.	ditto	Nil	5th Jan.	
	RAJPOOTANA.	Akyab	Nil	Nil	ditto	19th Jan.	
		Alwar	ditto	ditto	ditto	ditto	
		Jaipur	ditto	ditto	ditto	ditto	
		Sambhar	ditto	ditto	ditto	ditto	

JOHN ELIOT, M.A.,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,

The 26th January 1878

## Meteorological Telegraphic Report for the period 20th to 26th Jan. 1878.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
ALIPORA.	Jan. 20th	10	30.151	30.173	71.0	62.0	57	S S E	1.5	.....	.....	b
	16	16	30.025	30.047	77.1	65.2	49	N W by W	4.5	.....	(S, C	b
	21st	10	30.145	30.107	68.7	61.0	67	N	5.0	.....	.....	b
	16	16	30.023	30.045	77.0	63.0	42	W by N	5.5	.....	.....	b
	22nd	10	30.153	30.175	68.0	60.2	69	N by W	3.5	.....	K	b
	16	16	30.017	30.039	75.0	61.9	44	N W	4.5	.....	.....	b
	23rd	10	30.163	30.185	69.0	58.2	47	N E by N	6.8	.....	.....	b
	16	16	30.011	30.033	76.2	61.5	40	N W by N	6.5	.....	.....	b
	24th	10	30.181	30.203	68.9	58.9	52	N by E	2.3	.....	.....	b
	16	16	30.036	30.058	76.5	62.2	40	S W by W	4.5	.....	.....	b
SAGOR ISLAND.	25th	10	30.173	30.195	71.2	60.8	53	E	1.5	.....	.....	b
	16	16	30.019	30.041	77.5	61.1	41	W by S	4.0	.....	.....	b
	26th	10	29.110	30.132	72.1	65.8	70	S	3.3	.....	.....	b
	16	16	29.966	29.988	70.4	67.0	49	S	4.0	.....	.....	b
	20th	10	30.143	30.149	73	69	81	N E	3.5	.....	P	b, m, f
	16	16	30.039	30.045	77	71	73	S	6.2	.....	PK	b, m
	21st	10	30.142	30.148	72	69	85	N	3.0	.....	.....	b, f
	16	16	30.024	30.030	80	72	68	S W	6.0	.....	PK	b, m
	22nd	10	30.126	30.132	75	65	56	N E	5.6	.....	P	b, m, f
	16	16	30.007	30.013	77	68	61	N N W	5.0	.....	PK	b, m
CHITTAGONG.	23rd	10	30.133	30.139	74	63	51	N N E	3.4	.....	C	b, m
	16	16	30.032	30.038	77	66	53	N N E	7.0	.....	.....	b, m
	24th	10	30.152	30.158	74	61	55	E	4.5	.....	.....	b, m
	16	16	30.032	30.038	77	68	61	S	7.6	.....	.....	b, m, f
	25th	10	30.149	30.155	75	65	56	E	4.4	.....	.....	b, m
	16	16	30.042	30.048	77	69	65	S	9.9	.....	.....	b, m, f
	26th	10	30.162	30.168	76	70	73	S S E	5.1	.....	P	b, m
	16	16	29.989	29.995	78	70	66	S	9.8	.....	.....	b, m
	20th	10	30.077	30.073	67	62	74	N E	4.7	.....	.....	b, m
	21st	10	30.067	30.062	70	63	66	N	4.0	.....	CK	b, m
ANYAR.	22nd	10	30.087	30.102	68	62	70	N E	4.4	.....	.....	b, m
	23rd	10	30.079	30.174	68	62	70	N E	3.9	.....	.....	b, m
	24th	10	30.070	30.165	68	62	70	N E	3.8	.....	.....	b, m
	25th	10	30.087	30.182	69	64	75	N N E	5.0	.....	.....	b, m
	26th	10	30.027	30.123	70	65	75	N N E	5.2	.....	.....	b, m
	20th	10	30.153	30.175	71	64	66	N E	1.7	.....	C	b
	21st	10	30.126	30.148	72	64	62	N E	2.1	.....	C	b
	22nd	10	30.138	30.180	71	61	53	N W	1.7	.....	.....	b
	23rd	10	30.143	30.165	72	59	42	N	3.2	.....	C	b
	24th	10	30.143	30.165	72	63	58	N E	1.5	.....	.....	b
CURTACK.	25th	10	30.138	30.180	75	66	56	N E	1.9	.....	.....	b
	26th	10	30.101	30.123	74	66	63	N E	1.7	.....	.....	b
	20th	10	30.071	30.154	77	70	69	W	0.7	.....	.....	b
	21st	10	30.049	30.132	79	69	58	S E	1.1	.....	C, CK	b
	22nd	10	30.036	30.119	80	70	58	S	1.1	.....	C, CK	b
	23rd	10	30.045	30.128	78	70	65	N E	2.2	.....	C, PK	b
	24th	10	30.059	30.142	78	70	65	N E	2.3	.....	K, PK, C	b
	25th	10	30.065	30.148	81	72	62	S	1.5	.....	K, PK, C	b
	26th	10	30.023	30.106	80	71	62	S S W	1.7	.....	K, CK, C	b
	20th	10	30.143	30.158	76	70	73	.....	2.4	.....	C	b
FALSE POINT.	21st	10	30.133	30.148	77	70	69	CALM	2.3	.....	PK, K, C	b
	22nd	10	30.127	30.142	79	71	66	E S E	3.0	.....	C, K, PC, PK	b
	23rd	10	30.130	30.145	76	71	81	N E	2.5	.....	C, K, PC	b
	24th	10	30.137	30.152	78	72	74	E N E	5.0	0.20	C, CK, PC	b
	25th	10	30.147	30.162	78	71	70	S S E	2.2	.....	C, K, PK	b
	26th	10	30.105	30.120	78	72	74	CALM	2.3	.....	C, PK,	b
	20th	10	30.124	30.156	78	70	65	N N W	1.6	.....	.....	b
	21st	10	30.103	30.135	79	70	61	E S E	1.9	.....	.....	b
	22nd	10	30.102	30.134	79	70	61	S by E	1.6	.....	.....	b
	23rd	10	30.099	30.131	80	71	62	S by E	1.4	.....	.....	b
VIRGAPATAN.	24th	10	30.113	30.145	81	72	62	E by S	1.9	.....	.....	b
	25th	10	30.129	30.161	79	71	66	S E by S	1.4	.....	.....	b
	26th	10	30.100	30.132	80	71	62	S E by S	1.3	.....	.....	b
	19th	16	30.139	30.162	83	70	49	N	10	.....	.....	b, c
	20th	16	30.004	30.027	83	72	57	N N E	12	.....	.....	b, c
	16	16	30.095	30.118	81	73	67	N	12	.....	.....	cloudy
	21st	10	30.096	30.119	81	74	71	N N E	14	.....	.....	cloudy
	16	16	29.999	30.022	83	74	63	N by E	9	.....	.....	cloudy
	22nd	0	30.100	30.123	82	76	75	N N E	12	.....	.....	cloudy
	16	16	30.003	30.026	83	74	63	N N E	5	0.00	.....	cloudy
MADRAS.	23rd	10	30.119	30.141	85	75	61	N E by E	10	.....	.....	cloudy
	16	16	29.987	30.010	84	73	57	N E by E	6	.....	.....	b
	24th	10	30.120	30.142	85	72	51	E N E	9	.....	.....	b
	16	16	30.004	30.027	81	71	50	E N E	7	.....	.....	b
	25th	10	30.131	30.153	85	73	51	E by N	10	.....	.....	b
	16	16	30.016	30.039	84	71	50	E N E	11	.....	.....	b
	20th	10	29.953	29.994	82	78	83	N	8.6	.....	.....	b
	21st	10	29.973	30.014	82	78	83	N by E	2.6	.....	C	b
	22nd	10	30.000	30.041	83	78	79	S R	1.4	.....	C	b
	23rd	10	29.973	30.014	82	77	70	S E	2.6	.....	C	b
COLOMBO.	24th	10	29.963	30.004	82	74	67	N E	6.2	.....	.....	b
	25th	10	29.993	30.034	82	76	75	N	8.6	.....	.....	b
	26th	10	29.983	30.024	82	76	75	N E	2.8	.....	C	b

\* Velocity of wind in miles per hour.



**Results of the Meteorological Observations taken at the Alipore Observatory from  
20th to 26th January 1878.**

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		⊖	Inches.	⊖	⊖	⊖	⊖	⊖	Inches	⊖°	%			Inches.	
Jan.	20th	137 0	30·072	65·2	77·9	24·2	53·7	60 0	0·453	50·2	73	Till noon S through NW, W & SW; till midnight W through SW.	61	Nil	Chiefly clear, <i>f</i> and <i>w</i> .
"	21st	133 1	·069	65·3	77·9	22·2	55·7	59·8	·442	55 5	71	Till noon N through N W; till midnight W by N through NW.	80	"	Clear, <i>f</i> and <i>w</i> .
"	22nd	129 0	·070	64·4	76·4	21·0	54·5	59 0	·428	51 6	70	Till noon NE by N through NW and N; till midnight NW by N through N.	69	"	Morning partially cloudy, day and night clear, <i>f</i> and <i>w</i> .
"	23rd	134 5	·080	64·7	76·7	22·7	54·0	58·1	·399	52·8	65	Till 2 P.M. NE by E through N, till 7 P.M. W by N through N & NW; till mid- night N by E through NW.	103	"	Clear, <i>f</i> and <i>w</i> .
"	24th	136·4	·089	64·1	76 9	24·9	52·0	58·0	·404	53·0	68	Till 1 P.M. ENE through NE till 4 P.M. SW through N, N W & W; till midnight NN W through W & NW.	62	"	Clear, <i>f</i> and <i>w</i> .
"	25th	137·5	·081	65·5	78·7	25·7	53·0	60 0	·440	55·8	71	Till noon S through NE, E & SE; till 7 P.M. W by S through SW; till midnight S S W through S W.	54	"	Clear, <i>f</i> and <i>w</i> .
"	26th	143·0	·024	68·2	79 8	23·0	56·8	63·7	·531	60·6	77	S S W and S	74	"	Clear, <i>f</i> and <i>w</i> .

The mean pressure of the seven days ...

The average pressure of the corresponding period for 25 years ...

The mean temperature of the seven days ...

The average temperature of the corresponding period for 25 years ...

The extreme variation of temperature during the seven days ...

The maximum temperature during the seven days ...

The mean relative humidity during the seven days ...

The average relative humidity of the corresponding period for 25 years ...

The total fall of rain from 20th to 26th January 1878 ...

The average fall of the corresponding period for 25 years ...

The total fall from 1st to 26th January 1878 ...

The average fall of the corresponding period for 25 years ...

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h. and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*f* foggy, *w* dew.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA,  
The 28th January 1878.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of November 1877.

## Kendrapara Canal.

LENGTH OF CANAL OPEN—39 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A P.	A. P.
138	Paddy	22,586	15,172	35,782	1,278	46,564	479 8 0	...
43	Rice	14,526	52,900	16,621	594	22,753	245 0 9	...
18	Spices	2,664	53,280	4,972	178	6,928	70 4 0	...
5	Saltfish	266	2,710	654	23	869	6 8 0	...
24	Jaggery	3,528	17,605	4,967	177	3,196	32 4 0	...
1	Telegraph stores	100	500	214	8	320	3 0 0	...
1	Lime	400	100	612	22	800	9 0 0	...
5	Gram	150	224	379	14	560	3 2 0	...
10	Jute and hemp	1,570	7,850	2,778	99	3,692	17 6 0	...
1	Teakwood	250	500	367	13	520	5 4 0	...
18	Salt	2,850	11,150	6,314	225	7,480	64 10 0	...
3	Hides	1,248	12,480	1,683	60	1,824	24 12 0	...
3	Wheat	1,000	3,000	1,488	53	2,120	21 12 0	...
24	Timber	9,184	28,835	13,230	472	18,528	191 14 6	...
3	Gummes, &c.	735	17,375	735	26	1,940	15 3 3	...
1	Wine, &c.	6	1,500	56	2	80	1 3 6	...
2	Sundries	526	22,075	526	19	760	10 15 6	...
1	Planks	150	50	195	7	240	2 10 0	...
2	Cotton	400	1,000	664	24	809	6 14 0	...
1	Copper	120	3,500	168	6	240	2 4 0	...
3	Piece-goods, twist, &c.	1,013	53,825	1,013	36	1,440	21 5 3	...
1	Tiles	200	30	303	11	440	4 4 0	...
1	Castor seeds	100	500	151	5	209	2 4 0	...
2	Bamboos	244	28	334	12	480	4 8 0	...
1	Turneric	275	1,275	367	13	520	1 12 0	...
1	Gallnuts	300	300	402	24	960	6 0 0	...
2	Earthen pots	20	20	255	9	45	1 2 0	...
3	Laterite stone	1,662	25	2,124	76	1,216	10 0 0	...
1	Horns	.....	400	468	17	680	6 12 0	...
5	Passengers' boats	.....	.....	322	11	356	3 4 11	...
270	Empty boats	.....	.....	27,862	987	32,772	310 8 0	...
690	Total	66,093	3,44,960	1,25,809	4,501	1,57,837	1,555 8 2	0 19
125	Total of same month last year	7,858	47,000	18,624	665	18,627	136 10 0	0 19
MISCELLANEOUS.								
	Timbers, 209 in number	.....	836	.....	.....	.....	65 6 0	...
	Bamboos, 32,850 in number	.....	371	.....	.....	.....	43 4 4	...
	Demurrage on boats	.....	.....	.....	.....	.....	8 6 0	...
	Total	.....	1,207	.....	.....	.....	117 0 4	...
7	Total of same month last year	.....	242	.....	.....	.....	25 13 0	...

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

17	Laterite stone	6,435	101	8,282	250	5,580	65 8 0	...
4	Empty boats	...	...	573	20	320	2 10 0	...
21	Total	6,435	101	8,855	250	6,000	68 2 6	0 11
3	Total of same month last year	...	...	417	15	480	4 0 0	0 16
MISCELLANEOUS.								
...	Bamboos, 4,000 in number	...	60	...	...	...	10 0 0	...
30	Boats passed free	...	...	...	...	...	...	...
30	Total	...	60	...	...	...	10 0 0	...
2	Total of same month last year	...	22	...	...	...	0 14 8	...

## TRAFFIC BETWEEN CUTTACK AND SEABOARD.

## (1) PRIVATE.

...	Total	...	...	...	...	...	...	...
365	Total of same month last year	42,197	2,67,003	96,577	3,449	1,37,960	1,353 0 4	0 18
MISCELLANEOUS.								
...	Total	...	...	...	...	...	...	...
4	Total of same month last year	...	109	...	...	...	27 0 0	...

Kendrapara Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

TRAFFIC BETWEEN CUTTACK AND SEABOARD—continued.

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
...	Total	...	...	...	...	...	...	...
6	Total of same month last year	1,100	2,888	3,569	127	5,080	53 2 0	0 2
	MISCELLANEOUS.							
	Total	...	...	...	...	...	...	...
	Total of same month last year	...	...	...	...	...	...	...

ABSTRACT—LOCAL TRAFFIC.

600	Private, including miscellaneous	66,093	3,46,176	1,25,809	4,501	1,57,837	1,702 8 6	...
51	Government stores, including miscellaneous	6,465	161	8,853	260	6,000	78 2 0	...
651	Total	72,558	3,46,337	1,34,664	4,761	1,63,837	1,780 10 6	...
137	Total of same month last year	7,358	47,324	19,041	680	14,107	107 5 8	...

TRAFFIC BETWEEN CUTTACK AND SEABOARD.

...	Private, including miscellaneous	...	...	...	...	...	...	...
...	Government stores, including miscellaneous	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...
375	Total of same month last year	43,297	2,70,189	1,00,146	3,576	1,43,040	1,433 2 4	...
651	Grand Total	72,558	3,46,337	1,34,664	4,761	1,63,837	1,780 10 6	...
512	Grand total of same month last year	51,155	3,17,304	1,19,187	4,256	1,57,147	1,600 8 0	...

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	793 3 2
Amount of tollage for the month	1,780 10 6
Total	2,573 13 8
Amount credited in the accounts for the month..	2,147 1 8
Balance at the end of the month	426 12 0

High Level Canal.

LENGTH OF CANAL OPEN—37 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

22	Rice	3,780	15,120	7,585	271	9,210	110 11 3	...
26	Paddy	8,400	6,020	6,533	240	8,175	90 8 3	...
22	Gallnuts	1,080	1,080	6,568	120	4,080	51 6 0	...
4	Gingelly	821	2,403	3,542	58	1,072	24 6 0	...
16	Cotton	528	5,240	1,642	43	1,301	14 1 2	...
3	Chalk	63	252	1,227	4	136	2 10 0	...
3	Gram	224	336	170	17	578	6 6 0	...
1	Timber	8	32	16	1	10	2 8 0	...
1	Castor seeds...	55	275	11	4	136	1 8 0	...
3	Rosin	85	585	171	6	204	2 10 0	...
1	Salt fish	50	500	102	6	204	2 4 0	...
2	Jaggery	50	250	236	8	152	1 10 0	...
25	Salt	4,180	20,000	7,473	267	9,078	108 0 0	...
2	Furniture	60	60	138	5	170	1 15 3	...
144	Empty boats	...	...	10,182	363	12,287	156 2 11	...
4	Passenger boats	...	...	405	18	546	6 3 11	...
278	Total	15,053	54,672	40,111	1,431	48,245	591 14 9	0 3 3
96	Total of same month last year	4,656	23,311	12,912	461	13,512	167 10 0	0 2 3
	MISCELLANEOUS.							
	Total	...	...	...	...	...	...	...
2	Total of same month last year	...	180	...	...	...	18 10 9	...



SOUTH-WESTERN CIRCLE.

Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A P.	A. P.
31	Betel-leaves .. .. .	1,339	5,666	4,330	.....	.....	25 10 6	.....
5	Betel-nuts .. .. .	750	5,600	1,800	.....	.....	21 7 0	.....
4	Bricks and tiles, No. 6,300 .. .. .	750	149	1,715	.....	.....	10 5 6	.....
24	Brass and copper, and their manufactures .. .. .	2,895	1,08,225	8,700	.....	.....	74 4 0	.....
48	Coal and coke .. .. .	10,997	5,768	22,165	.....	.....	228 6 9	.....
10	Cotton, raw .. .. .	2,490	40,250	6,880	.....	.....	15 0 0	.....
62	Cotton twist and yarn (European) .. .. .	5,610	1,55,290	17,070	.....	.....	163 11 6	.....
29	Cotton piece-goods (European) .. .. .	1,765	1,81,150	7,025	.....	.....	80 6 9	.....
10	Ditto ditto (Indian) .. .. .	176	30,100	1,825	.....	.....	15 15 6	.....
11	Cocoanuts, No. 19,900 .. .. .	432	993	1,770	.....	.....	22 7 0	.....
1	Cattle, No. 4 .. .. .	30	80	70	.....	.....	1 0 9	.....
3	Curd .. .. .	100	500	525	.....	.....	3 11 6	.....
1	Drugs and medicines .. .. .	1	400	60	.....	.....	1 12 3	.....
34	Earthenware .. .. .	2,083	879	8,380	.....	.....	45 10 6	.....
1,185	Empty boats .. .. .	.....	.....	1,11,040	.....	.....	1,047 12 9	.....
81	Fruits and nuts of all kinds .. .. .	19,880	41,175	34,905	.....	.....	420 4 3	.....
6	Firewood .. .. .	680	266	2,100	.....	.....	10 12 0	.....
150	Gram and pulse .. .. .	17,562	62,213	43,510	.....	.....	420 1 0	.....
2	Gunny-bags, No. 8,000 .. .. .	150	825	525	.....	.....	5 13 6	.....
4	Gunny cloth, No. 392 .. .. .	499	990	625	.....	.....	1 15 6	.....
3	Glassware .. .. .	130	1,950	780	.....	.....	12 14 6	.....
2	Goat and sheep, No. 180 .. .. .	37	370	200	.....	.....	0 12 0	.....
5	Hides of cattle, untanned, No. 4,120 .. .. .	355	4,160	1,000	.....	.....	15 3 0	.....
2	Horns .. .. .	200	5,000	550	.....	.....	4 13 0	.....
3	Iron and its manufactures .. .. .	230	2,140	750	.....	.....	7 13 0	.....
65	Jute, raw .. .. .	6,364	23,737	14,595	.....	.....	55 15 3	.....
1	Liquor .. .. .	10	2,000	150	.....	.....	1 5 0	.....
24	Linseed .. .. .	5,075	14,150	8,600	.....	.....	129 0 6	.....
3	Lime and limestone .. .. .	345	817	870	.....	.....	0 12 0	.....
27	Mustard .. .. .	4,175	16,700	9,855	.....	.....	69 2 8	.....
34	Miscellaneous .. .. .	2,015	4,165	7,765	.....	.....	78 11 0	.....
2	Other saline substances .. .. .	150	375	525	.....	.....	6 0 0	.....
2	Other fibres, raw .. .. .	94	480	270	.....	.....	2 5 9	.....
182	Paddy .. .. .	15,841	18,280	28,720	.....	.....	166 8 4	.....
21	Planks .. .. .	1,160	8,348	4,565	.....	.....	17 2 0	.....
4	Pieces of tanned leather, No. 5,920 .. .. .	509	2,515	925	.....	.....	16 8 0	.....
1,344	Passenger boats .. .. .	.....	.....	80,325	.....	.....	813 8 6	.....
238	Rice .. .. .	51,583	1,01,315	78,095	.....	.....	729 14 9	.....
2	Rosin .. .. .	275	1,825	500	.....	.....	7 8 0	.....
163	Salt .. .. .	30,120	1,51,570	73,015	.....	.....	655 0 3	.....
24	Straw, 384 kahans .. .. .	3,620	1,257	12,260	.....	.....	85 9 5	.....
21	Sand .. .. .	6,800	358	13,750	.....	.....	51 9 0	.....
11	Spices .. .. .	651	9,215	2,300	.....	.....	26 11 0	.....
2	Sugar refined .. .. .	65	1,300	300	.....	.....	2 12 0	.....
17	Sugar, unrefined .. .. .	2,480	8,325	5,975	.....	.....	60 8 6	.....
11	Silk, raw .. .. .	192	1,10,770	1,595	.....	.....	13 15 0	.....
1	Stamp paper .. .. .	5	1,000	175	.....	.....	1 14 0	.....
28	Tobacco .. .. .	2,425	16,110	6,665	.....	.....	58 9 6	.....
74	Timber, No. 731 .. .. .	7,895	14,581	12,725	.....	.....	158 4 6	.....
88	Sul piles, No. 3,169 .. .. .	7,740	9,929	11,110	.....	.....	155 11 6	.....
20	Stone plates .. .. .	2,845	7,525	3,870	.....	.....	63 9 9	.....
10	Vegetable and other kinds of provisions .. .. .	610	2,010	2,020	.....	.....	22 3 6	.....
9	Wheat .. .. .	485	1,222	1,695	.....	.....	12 9 3	.....
4,060	Total .. .. .	2,20,298	11,84,888	6,95,385	24,835	4,50,740	6,472 4 6	0 3
3,844	Total of same month last year .. .. .	2,54,905	9,81,794	6,38,880	22,817	4,10,730	6,525 4 3	0 3
MISCELLANEOUS.								
..	Passengers, No. 15,643 .. .. .	.....	.....	.....	.....	.....	200 2 9	.....
15	Demurrage, &c. .. .. .	.....	.....	.....	.....	.....	20 8 0	.....
15	Boats passed free .. .. .	.....	.....	.....	.....	.....	.....	.....
15	Total .. .. .	.....	.....	.....	.....	.....	310 10 9	.....
62	Total of same month last year .. .. .	.....	1,338	.....	.....	.....	244 13 3	.....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.—*Nd.*

ABSTRACT.

4,105	Private, including miscellaneous .. .. .	2,20,298	11,84,888	6,95,385	24,835	4,50,740	6,782 15 3	.....
...	Government stores, including ditto .. .. .	.....	.....	.....	.....	.....	.....	.....
4,105	Grand total .. .. .	2,20,298	11,84,888	6,95,385	24,835	4,50,740	6,782 15 3	.....
3,906	Grand total of same month last year .. .. .	2,54,905	9,83,182	6,38,880	22,817	4,10,730	6,770 1 6	...

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month .. .. .	7,935 0 8
Amount of tollage for the month .. .. .	6,782 15 3
Total .. .. .	14,717 15 11
Amount credited in the accounts for the month .. .. .	13,221 9 0
Balance at the end of the month .. .. .	1,496 6 11



*Arrah Canal—continued.*

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
26	Rubble, mile stone, &c. ....	25,230	757	33,759	...	.....	366 14 6	...
1	Portable crano .. ..	200	500	459	...	.....	6 8 3	...
2	Iron chest and chain .. ..	64	75	135	...	.....	2 7 6	...
2	Passenger boats .. ..	.....	.....	206	...	.....	4 0 0	...
41	Empty boats .. ..	.....	.....	10,985	...	.....	196 7 6	...
143	Total .. ..	25,503	1,332	45,544	1,626	17,992	486 11 9	0 5 2
306	Total of same month last year .. ..	67,316	5,673	1,14,071	4,221	69,262	920 0 3	0 2 6
MISCELLANEOUS.								
...	Total .. ..	...	.....	.. ...	....	... ..	... ..	.....
...	Total of same month last year .. ..	..	.....	..	....	.....	.....	....

### ABSTRACT.

211	Private, including miscellaneous	18,204	50,231	30,954	1,106	55,300	570 8 0	.....
143	Government stores, including ditto	25,593	1,532	45,544	1,626	17,942	486 11 0	.....
354	Grand total	43,797	51,603	76,498	2,732	73,242	1,057 4 0	.....
375	Grand total of same month last year	67,316	5,073	1,14,017	4,252	70,242	950 14 3	.....

MEMORANDUM.

MEMORANDUM.					Rd.	A.	P.
Unrecovered balance on the 1st of the month	..	...	...	...	363	1	7
Amount of tollage for the month	...	...	...	...	1,057	4	6
				Total	1,419	9	1
Amount credited in the accounts for the month	...	...	...	..	767	15	6
Balance at the end of the month	...	...	...	...	651	9	7

*Western Main Canal.*

LENGTH OF CANAL OPEN—22 MILES.

### LOCAL TRAFFIC.

(1) PRIVATE.

14	Rice, castor seeds, spice ghee and stone for chowki, &c.	2,545	12,725	4,825	...	...	62 2 9
29	Empty boats	...	.....	3,150	...	...	25 9 6
1	Passenger do.	...	...	100	...	...	1 7 0
44	Total	2,545	12,725	7,975	271	6,504	89 3 3
...	Total of same month last year	.....	.....	.....	...	...	...
	MISCELLANEOUS.			Nil.			
...	Total	.....	...	...	...	.....	.....
...	Total of same month last year	...	...	...	...	.....	...

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

104	Rubble stone	28,015	1,400	41,600	230 0 0
2	Boxes and tables, &c.	115	40	375	3 0 9
107	Empty boats	...	...	14,325	90 0 0
213	Total	28,160	1,440	56,300	353 0 9
13	Total of same month last year	2,038	143	3,801	23 12 0
	MISCELLANEOUS.			Nil.	...
	Total	...	...	...	...
	Total of same month last year	...	...	...	...

### ABSTRACT.

44	Private, including miscellaneous ...	2,545	12,725	7,575	271	6,504	80 3 3	.....
213	Government stores, including miscellaneous	28,160	1,149	56,300	2,610	10,050	353 6 0	.....
267	Grand Total ...	30,705	14,165	63,875	2,281	16,554	442 10 0	.....
13	Grand total of same month last year ...	2,039	143	3,801	140	1,438	23 12 0	.....

MEMO :

MEMO :				Rs.	A	P.
Unrecovered balance on the 1st of the month	...	...	...	250	10	9
Amount of tollage for the month	...	...	...	442	10	0
			Total	...	708	4 9
Amount credited in the accounts for the month	...	...	...	...	318	7 9
			Balance at end of month	...	384	13 0

*Patna Canal.*  
LENGTH OF CANAL OPEN—84 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A. P.	A. P.
14	Lime, gram, khasarce, &c., and empty boats	800	760	2,633	...	...	53 11 0	..
11	Gram, khasarce, rice, linseed, &c. ...	1,200	3,811	2,274	...	...	37 8 9	..
1	Chowkuts ... ..	70	75	229	...	...	1 12 3	..
1	Doors and bamboos ... ..	.....	.....	218	...	...	1 9 0	..
1	Passenger boat ... ..	.....	.....	63	...	...	9 7 0	..
6	Empty boats ... ..	.....	.....	497	...	...	4 8 6	..
34	Total ...	2,070	4,646	5,918	211	10,339	99 9 0	18
...	Total of same month last year ...	..	.....	..	..	..	..	.....
MISCELLANEOUS.								
...	Total ...	....	.....	....	..	..	..	.....
...	Total of same month last year ...	.....	..	.....	..	..	..	..

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

28	Bridge post, ashlar rubble and empty boats	2,570	734	5,400	...	...	47 8 6	...
37	Rubble ...	...	...	23,171	...	...	181 9 1	...
1	Ashlar ...	...	...	1,402	...	...	22 5 0	...
1	Coal ...	...	...	1,397	...	...	10 5 5	...
32	Empty boats ...	...	...	4,747	...	...	35 2 6	...
90	Total ...	2,570	734	35,117	1,254	72,732	296 14 6	07
...	Total of same month last year ...	...	...	...	...	...	...	...
MISCELLANEOUS.								
79	Boats passed free ...	...	...	...	...	...	...	...
1	Rope and ropes for clearing weeds ...	...	...	...	...	...	...	...
80	Total ...	...	...	...	...	...	...	...
...	Total of same month last year ...	...	...	...	...	...	...	...

## ABSTRACT.

34	Private, including miscellaneous ...	2,070	4,646	5,918	211	10,339	99 9 0	...
179	Government stores, including miscellaneous ...	2,570	734	35,117	1,254	72,732	296 14 6	...
213	Grand Total ...	4,640	5,380	41,035	1,465	83,071	396 7 6	...
...	Grand total of same month last year ...	...	...	...	...	...	...	...

## MEMO:

Rs. A. P.

Unrecovered balance on the 1st of the month	...	...	...	...	...	...	396 7 6
Amount of tollage for the month	...	...	...	...	...	...	...
Amount credited in the accounts for the month	...	...	...	...	...	...	125 4 3
Balance at the end of the month	...	...	...	...	...	...	271 3 3

## ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1877-78.		TOLLAGE OF THE YEAR 1876-77.		REMARKS
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
Kendraparah ... ..	Rs. A. P. 1,780 10 6	Rs. A. P. 13,595 10 7	Rs. A. P. 1,600 8 0	Rs. A. P. 8,975 9 7	
High Level, Section 1 ... ..	819 0 9	4,107 14 3	348 13 7	2,050 7 9	
Taldanda ... ..	53 10 6	995 4 9	21 9 5	930 3 9	
Total Orissa Circle ...	2,653 5 9	18,698 13 7	1,970 15 0	11,956 5 1	
SOUTH-WESTERN CIRCLE.					
Midnapore ... ..	6,782 15 3	67,154 9 3	6,770 1 6	43,457 6 9	
Hidgolice Tidal ... ..	1,948 14 0	54,000 10 0	2,031 4 3	28,391 12 1	
Total South-Western Circle ...	8,731 13 3	1,22,114 10 3	8,801 5 9	72,049 2 10	
SONE CIRCLE.					
Arrah ... ..	1,067 4 6	8,813 2 2	950 14 3	2,720 0 8	
Western Main ... ..	412 10 0	1,950 6 6	23 12 0	23 12 0	
Patna ... ..	300 7 6	390 7 6	...	...	
Total Sone Circle ... ..	1,800 6 0	11,150 15 8	974 10 3	2,743 12 8	
Grand Total .. ..	13,281 9 0	1,51,973 7 6	11,746 15 0	80,749 4 7	

F. T. HAIG, Col., R.E.,

Joint Secy. to the Government of Bengal,  
in the P. W. Dept., Irrigation Branch.

The 12th January 1878.



## PUBLIC WORKS DEPARTMENT, —BENGAL.

GENERAL. ESTABLISHMENT.—No. 25.—*The 28th January 1878.*

Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagiruthee and Brahmaputra during the month of November 1877.

RIVER GANGES.										RIVER BHAGIRATHI.										BRAHMAPOOTRA.						
Mirzapore.			Buxar.		Jhansare.		Munshyr.			Sahaignunge.		Rampur Baieah.		Gulanda.		Berhampore.		Kishnachur.		Gowhatty.						
Miles.					177.		87.		587.		110.		381.		94.		471.		90.		201.		120.		70.	
Date.			From Benares		From Buxar		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares	
Height over zero of gauge.			Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.		Height over zero of gauge.	
1st			1.33		4.80		4.25		74.93		8.33		50.33		10.00		7.00		39.40		9.12		17.91		9.50	
2nd			1.08		4.70		4.00		74.58		8.00		49.00		9.04		6.70		39.10		8.83		17.62		9.20	
3rd			.92		4.60		3.80		74.23		7.80		48.80		8.41		6.45		38.80		8.61		17.31		8.90	
4th			.76		4.50		3.60		73.88		7.58		48.58		8.23		6.20		38.50		8.41		17.01		8.60	
5th			.60		4.40		3.40		73.53		7.36		48.36		8.05		6.00		38.20		8.23		16.71		8.40	
6th			.44		4.30		3.20		73.18		7.14		48.14		7.87		5.80		37.90		8.05		16.41		8.20	
7th			.28		4.20		3.00		72.83		6.92		47.92		7.71		5.60		37.60		7.87		16.11		8.00	
8th			.12		4.10		2.80		72.48		6.70		47.70		7.55		5.40		37.30		7.69		15.81		7.80	
9th			.00		4.00		2.60		72.13		6.48		47.48		7.39		5.20		37.00		7.51		15.51		7.60	
10th			below		3.90		2.40		71.78		6.26		47.26		7.23		5.00		36.70		7.35		15.21		7.40	
11th			.16		3.80		2.20		71.43		6.03		47.03		7.07		4.80		36.40		7.20		14.91		7.20	
12th			.33		3.70		2.00		71.08		5.81		46.81		6.91		4.60		36.10		7.05		14.61		7.00	
13th			.50		3.60		1.80		70.73		5.59		46.59		6.75		4.40		35.80		6.89		14.31		6.80	
14th			.67		3.50		1.60		70.38		5.37		46.37		6.59		4.20		35.50		6.73		14.01		6.60	
15th			.84		3.40		1.40		70.03		5.14		46.14		6.43		4.00		35.20		6.57		13.71		6.40	
16th			1.01		3.30		1.20		69.68		4.92		45.92		6.27		3.80		34.90		6.41		13.41		6.20	
17th			1.18		3.20		1.00		69.33		4.70		45.70		6.11		3.60		34.60		6.25		13.11		6.00	
18th			1.35		3.10		.80		68.98		4.48		45.48		5.95		3.40		34.30		6.09		12.81		5.80	
19th			1.52		3.00		.60		68.63		4.26		45.26		5.79		3.20		34.00		5.93		12.51		5.60	
20th			1.69		2.90		.40		68.28		4.04		45.04		5.63		3.00		33.70		5.77		12.21		5.40	
21st			1.86		2.80		.20		67.93		3.82		44.82		5.47		2.80		33.40		5.61		11.91		5.20	
22nd			2.03		2.70		.00		67.58		3.60		44.60		5.31		2.60		33.10		5.45		11.61		5.00	
23rd			2.20		2.60		.00		67.23		3.38		44.38		5.15		2.40		32.80		5.29		11.31		4.80	
24th			2.37		2.50		.00		66.88		3.16		44.16		5.00		2.20		32.50		5.13		11.01		4.60	
25th			2.54		2.40		.00		66.53		2.94		43.94		4.84		2.00		32.20		4.97		10.71		4.40	
26th			2.71		2.30		.00		66.18		2.72		43.72		4.68		1.80		31.90		4.81		10.41		4.20	
27th			2.88		2.20		.00		65.83		2.50		43.50		4.52		1.60		31.60		4.65		10.11		4.00	
28th			3.05		2.10		.00		65.48		2.28		43.28		4.36		1.40		31.30		4.49		9.81		3.80	
29th			3.22		2.00		.00		65.13		2.06		43.06		4.20		1.20		31.00		4.33		9.51		3.60	
30th			3.39		1.90		.00		64.78		1.84		42.84		4.04		1.00		30.70		4.17		9.21		3.40	
31st			3.56		1.80		.00		64.43		1.62		42.62		3.88		.80		30.40		4.01		8.91		3.20	
32nd			3.73		1.70		.00		64.08		1.40		42.40		3.72		.60		30.10		3.85		8.61		3.00	
33rd			3.90		1.60		.00		63.73		1.18		42.18		3.56		.40		29.80		3.69		8.31		2.80	
34th			4.07		1.50		.00		63.38		.96		41.96		3.40		.20		29.50		3.53		8.01		2.60	
35th			4.24		1.40		.00		63.03		.74		41.74		3.24		.00		29.20		3.37		7.71		2.40	
36th			4.41		1.30		.00		62.68		.52		41.52		3.08		.00		28.90		3.21		7.41		2.20	
37th			4.58		1.20		.00		62.33		.30		41.30		2.92		.00		28.60		3.05		7.11		2.00	
38th			4.75		1.10		.00		61.98		.08		41.08		2.76		.00		28.30		2.89		6.81		1.80	
39th			4.92		1.00		.00		61.63		.00		40.86		2.60		.00		28.00		2.73		6.51		1.60	
40th			5.09		.90		.00		61.28		.00		40.64		2.44		.00		27.70		2.57		6.21		1.40	
41st			5.26		.80		.00		60.93		.00		40.42		2.28		.00		27.40		2.41		5.91		1.20	
42nd			5.43		.70		.00		60.58		.00		40.20		2.12		.00		27.10		2.25		5.61		1.00	
43rd			5.60		.60		.00		60.23		.00		39.98		1.96		.00		26.80		2.09		5.31		.80	
44th			5.77		.50		.00		59.88		.00		39.76		1.80		.00		26.50		1.93		5.01		.60	
45th			5.94		.40		.00		59.53		.00		39.54		1.64		.00		26.20		1.77		4.71		.40	
46th			6.11		.30		.00		59.18		.00		39.32		1.48		.00		25.90		1.61		4.41		.20	
47th			6.28		.20		.00		58.83		.00		39.10		1.32		.00		25.60		1.45		4.11		.00	
48th			6.45		.10		.00		58.48		.00		38.88		1.16		.00		25.30		1.29		3.81		.00	
49th			6.62		.00		.00		58.13		.00		38.66		1.00		.00		25.00		1.13		3.51		.00	
50th			6.79		.00		.00		57.78		.00		38.44		.84		.00		24.70		.97		3.21		.00	
51st			6.96		.00		.00		57.43		.00		38.22		.68		.00		24.40		.81		2.91		.00	
52nd			7.13		.00		.00		57.08		.00		38.00		.52		.00		24.10		.65		2.61		.00	
53rd			7.30		.00		.00		56.73		.00		37.78		.36		.00		23.80		.49		2.31		.00	
54th			7.47		.00		.00		56.38		.00		37.56		.20		.00		23.50		.33		2.01		.00	
55th			7.64		.00		.00		56.03		.00		37.34		.04		.00		23.20		.17		1.71		.00	
56th			7.81		.00		.00		55.68		.00		37.12		.00		.00		22.90		.01		1.41		.00	
57th			7.98		.00		.00		55.33		.00		36.90		.00		.00		22.60		.00		1.11		.00	
58th			8.15		.00		.00		54.98		.00		36.68		.00		.00		22.30		.00		.81		.00	
59th			8.32		.00		.00		54.63		.00		36.46		.00		.00		22.00		.00		.51		.00	
60th			8.49		.00		.00		54.28		.00		36.24		.00		.00		21.70		.00		.21		.00	
61st			8.66		.00		.00		53.93		.00		36.02		.00		.00		21.40		.00		.00		.00	
62nd			8.83		.00		.00		53.58		.00		35.80		.00		.00		21.10		.00		.00		.00	
63rd			9.00		.00		.00		53.23		.00		35.58		.00		.00		20.80		.00		.00		.00	
64th			9.17		.00		.00		52.88		.00		35.36		.00		.00		20.50		.00		.00		.00	
65th			9.34		.00		.00		52.53		.00		35.14		.00		.00		20.20		.00		.00		.00	
66th			9.51		.00		.00		52.18		.00		34.92		.00		.00		19.90		.00		.00		.00	
67th			9.68		.00		.00		51.83		.00		34.70		.00		.00		19.60		.00		.00		.00	
68th			9.85		.00		.00		51.48		.00		34.48		.00		.00		19.30		.00		.00		.00	
69th			10.02		.00		.00		51.13		.00		34.26		.00		.00		19.00		.00		.00		.00	
70th			10.19		.00		.00		50.78		.00		34.04		.00		.00		18.70		.00		.00		.00	
71st			10.36		.00		.00		50.43		.00		33.82		.00		.00		18.40		.00		.00		.00	
72nd			10.53		.00		.00		50.08		.00		33.60		.00		.00		18.10		.00		.00		.00	
73rd			10.70		.00		.00		49.73		.00		33.38		.00		.00		17.80		.00		.00		.00	
74th			10.87		.00		.00		49.38		.00		33.16		.00		.00		17.50		.00		.00		.00	
75th			11.04		.00</																					

**J. E. T. NICOLLS, Major-General, R.E.,  
Secy. to the Govt. of Bengal, P. W. Department.**

**PUBLIC WORKS DEPARTMENT, — BENGAL.**  
**GENERAL ESTABLISHMENT.—No. 26.—The 28th January 1878.**

*Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagiruthee, and Brahmapootra during the month of December 1877.*

Date.	RIVER GANGES.										RIVER BHAGIRUTHEE.				BRAHMAPOOTRA.	
	Mirzapore.	Benares.	Buxar.	Dinapore.	Monghyr.	Sahabganje.	Rampore Bauleah.	Goolundo.	Berhampore.	Kishnagpur.	From Berhampore.		From Berhampore.		From Berhampore.	
	Miles.															
	Height below zero of gauge.	Height over zero of gauge.	Height below zero of gauge.	Height over zero of gauge.	Height over mean of gauge.	Height over zero of gauge.	Height over mean of gauge.	Height over zero of gauge.	Height over mean of gauge.	Height over zero of gauge.	Height over mean of gauge.	Height over zero of gauge.	Height over mean of gauge.	Height over zero of gauge.	Height over mean of gauge.	Height over zero of gauge.
1st	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
2nd	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
3rd	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
4th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
5th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
6th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
7th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
8th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
9th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
10th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
11th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
12th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
13th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
14th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
15th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
16th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
17th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
18th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
19th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
20th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
21st	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
22nd	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
23rd	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
24th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
25th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
26th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
27th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
28th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
29th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66
30th	216	206 34	167 40	175	102 77	916	70 16	3 98	45 89	425	13 19	2 90	35 20	416	12 95	135 66

J. E. T. NICOLLS, Major-General, R. E.,  
 Secy. to the Govt. of Bengal, P. W. Department.

Reports of Fluctuation of Traffic on the East Indian Railway from  
25th November to 31st December 1877.

EAST INDIAN RAILWAY TRAFFIC MANAGER'S OFFICE, JAMALPORE, THE 18TH JANUARY 1878.

Remarks on Traffic of East Indian Railway from 25th November to 31st December 1877.

THE approximate figures for the period are as follows:—

	Coaching.		Goods.		Total.
	No.	Rs.	Mds.	Rs.	Rs.
1877	662,444	10,90,846	72,77,711	27,76,259	38,67,104
1876	596,513	12,39,240	70,34,086	29,64,423	42,03,663
Increase	66,971		2,43,625		
Decrease		1,48,394		1,88,167	3,30,561

The decrease in passenger earnings is of course explained by the very heavy special traffic towards Delhi in December 1876 in connection with the Imperial Assemblage of 1st January 1877.

MERCHANDISE.

With a very considerable increase in weight lifted, there is, it will be seen, a decrease of a little under two lakhs (or about 6½ per cent.) in the receipts from merchandise traffic as compared with December 1876.

It will be remembered, however, that that month was one of very exceptional traffic.

The principal changes are—

		Increases.		
Coal.	Iron.	Piece-goods and twist.	Stone.	
Hides.	Other metals.	Foreign railway material.	Timber.	
Indigo.	Opium.	Seeds.	Tobacco.	
		Decreases.		
Commissariat Beer.	Grain.	Salt.	Saltpetre.	
			Sugar.	

Coal—Upward		Mds.	1,14,007	Ra.	48,285
Downward			3,03,820		31,459

The increase in upward coal is entirely at Kurhurbali, the upward despatches from the other fields having considerably fallen off.

In down traffic the increase is almost entirely from the Seetarampore and Burrakur field, where a better quality of coal is coming forward than the old Raneegeeunge fields can afford.

Hides	Mds.	35,168	Ra.	34,509
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There has been a good demand in Calcutta for North-Western Provinces hides

Nearly the whole of the increase lies with Cawnpore and Delhi.

Indigo	Mds.	21,741	Ra.	19,595
--------	------	--------	-----	--------

A very good crop in Tirhoot this season, which has come into the market freely throughout December.

Iron	Mds.	7,420	Ra.	1,656
------	------	-------	-----	-------

Other metals		5,798		6,132
--------------	--	-------	--	-------

This is an increase in the quantity of raw metals sent forward from Calcutta to the manufacturing marts of the North-Western Provinces.

Piece-goods	Md.	19,033	Ra.	14,720
-------------	-----	--------	-----	--------

Cotton twist		3,177		3,206
--------------	--	-------	--	-------

These are small increases of no particular moment.

Seeds	Mds.	2,30,175	Ra.	65,239
-------	------	----------	-----	--------

To this increase—

Patna contributes	Mds.	1,00,000		
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Cawnpore ditto		45,000		
----------------	--	--------	--	--

Mirzapore ditto		20,000		
-----------------	--	--------	--	--

and other North-Western stations most of the balance.

The weight of seeds cleared from the port in December was 26,000 tons, whereas it will be seen we carried altogether over 27,000 tons.

Tobacco	Mds.	11,270	Ra.	6,127
---------	------	--------	-----	-------

A continued increase in the despatches from Tirhoot, where all crops have been good this season. The failure of crops in Rohilkund has also naturally affected this traffic.

DECREASES.

Cotton	Mds.	89,165	Ra.	1,29,945
--------	------	--------	-----	----------

Only 1,200 bales of screwed cotton reached Howrah during the whole month hardly a wagon-load a day: and with "good fair" priced at over sixpence a pound in Calcutta, this is not surprising.

As before remarked, in most of the cotton-growing districts there has been very serious failure through long dearth, and it is probable that the area under cotton will be a good deal restricted for some time to come.

Salt	Mds.	63,265	Ra.	17,406
------	------	--------	-----	--------

The salt exports from Rajpootana were much restricted during December, traders holding back in expectation of a reduction of the frontier duties.

There was also a slight falling off in the weight sent up from Calcutta

The earning is, however, considerably better than that of December 1875.

Saltpetre	Mds.	6,718	Ra.	3,328
-----------	------	-------	-----	-------

This is a slight fluctuation of but little moment; in some weeks of the month there has been an increase, in others a decrease, and this is the balance which probably the first week of January would throw on the other side.

The total weight carried in December 1875 was only 28,000 maunds, so that the weight this month, 71,500, is really unusually large, although less than in December 1876.

Sugar	Mds.	1,12,278	Ra.	66,095
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The export of sugar, which was so active in December 1876, has almost entirely ceased: it arose from exceptional causes—the failure of the French beetroot crop among them; and the districts which exported most freely are themselves this season suffering from serious failure.

We now come to—

Grain with a net decrease of...	Mds.	1,70,882	Ra.	1,97,070
---------------------------------	------	----------	-----	----------

Made up as follows—

	Increases.			Decreases.	
	Mds.	Ra.		Mds.	Ra.
Common grains	2,07,084	87,449	Oats	11,829	4,076
Pulses	2,03,031	10,864	Rice	3,90,718	18,021
Barley	91,476	9,768	Wheat	2,69,925	2,88,054
Total	5,01,590	1,08,081	Total	6,72,472	3,06,151
Net decrease as above				1,70,882	1,97,070

*Common grains* (jowar, jenara, and the millets) show a large increase, owing to the rush of grain traffic into Rajpootana, Oudh, and Rohilkund, owing to the failure of the autumn crops.

Of the 2,07,000 maunds shown above, 1 27,000 maunds of increase was shown in the traffic to the North-Western Provinces from the Jubbulpore line, Behar also contributed largely, as also the loop line, so far as we were able to supply wagons for the traffic.

*In pulses* there is a large increase in weight also, some 80 per cent., while the earnings have only risen 10 per cent.

The bulk of this increase is in pulses from the Scinde, Punjab, and Delhi Railway going into Rohilkund *via* Ghazeeabad and Allyghur, with a lead of 66 miles only over this line, which will account for this feature.

*Barley*, again, is very noticeable.

It is not a grain in which there is usually any large traffic, but of late it has been flowing out of the Punjab in large quantities and in the same direction as the pulses.

Decrease.

Rice ... ..	Mds. 3,90,718	Rs. 13,021
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This traffic was in December 1876 entirely abnormal; the demand for rice in Madras had become very heavy, and in one fortnight of that month (7th to 20th December) 51,000 tons of rice were exported from Calcutta, while in the whole of December 1877 the export was under 38,000 tons.

To show more clearly how exceptional this traffic was in 1876, I give the figures for 1875 in connection with it, thus:—

December 1875	...	...	...	Tons.	21,100	Ra.	1,10,000
" 1876	...	...	...	"	31,100	"	2,09,000
" 1877	...	...	...	"	26,700	"	1,96,000

so that there has been an increase in weight of 25 per cent., and in earnings of nearly 80 per cent., in 1877 as compared with 1875.

In fact, in the month under review, a slack demand in Calcutta and food rising in price up-country, every effort has been made to get rice away *upwards*.

*Wheat*.—This decrease is really the important feature in the statistics of the month under review.

Of the 9,900 tons decreases shown above, 8,800 tons lies with Cawnpore and 1,100 tons with the traffic *via* Cawnpore; thus this one mart and its feeder explain the whole decrease in weight.

The failure of crops in the North-Western Provinces has greatly restricted the export of rail-borne wheat, and such export demand as there is being to a large extent from the Beugal districts on the north side of the Ganges.

The timely rain which has fallen throughout Northern India has, however, averted all danger of a failure of the spring crops, and I hope we may see the wheat export renewed.

I may here compare with December 1875 as well as December 1876, as the circumstances of the latter period were so very exceptional.

The weight of wheat was—

December 1875	...	...	...	...	Tons.	3,400
" 1876	...	...	...	...	"	18,400
" 1877	...	...	...	...	"	11,800

the latter month, thus showing more than *three-fold* traffic as compared with 1875.

The train mileage for the period has been—

					Coaching.	Goods.	Total.
					Mds.	Mds.	Mds.
1877	...	...	...	...	256,278	629,081	785,359
1876	...	...	...	...	264,373	625,874	794,247
Increase	...	...	...	...	...	3,207	...
Decrease	...	...	...	...	12,075	...	8,888

#### Earnings per train mile.

					Coaching.	Goods.	Total.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
1877	...	...	...	...	4 4 1	5 3 11	4 14 9
1876	...	...	...	...	4 9 10	5 10 2	5 4 8
Increase	...	...	...	...	...	...	...
Decrease	...	...	...	...	0 5 9	0 6 3	0 5 11

The earnings per train mile in coaching traffic are lower than in 1876, of course because there were so many special trains in 1876 in connection with the assemblage, and also a heavy first and second class traffic; while in goods traffic the remarks made under the heads of grain traffic will account for a falling off in average results.

Instead of having return loads for wagons running up-country under coal and imported goods, we have had those running up, besides loaded grain wagons; instead of wheat from Cawnpore to Howrah, with a lead of 684 miles, we have had grain from Kutnee to Cawnpore with a (main line) lead of 120 miles; instead of wheat from the Punjab to Calcutta, a lead of 942 miles, we have had barley from the Punjab to Rohilkund, 66 miles, and so on.

The actual earning on all train mileage fully up to the average of the last seven years—

#### JUBBULPORE LINE TRAFFIC.

					Coaching.	Goods.	Total.
					Mds.	Rs.	Rs.
1877	...	...	...	...	41,193	1,40,981	10,08,073
1876	...	...	...	...	43,001	2,28,505	11,10,859
Increase	...	...	...	...	...	...	...
Decrease	...	...	...	...	1,808	88,144	1,02,867

The decrease in coaching earnings on this as on the main line merely the result of the unusual rush of traffic in December 1876 consequent on the Delhi Assemblage.

The earning in 1875 was only Rs. 1,17,376, and thus there is an advance in 1877 of Rs. 23,000, or nearly 20 per cent. over the figures of a corresponding period two years previously.

In like manner, the merchandise traffic compares—

December 1875	...	...	...	Mds.	3,70,000	Ra.	94,000
" 1876	...	...	...	"	11,11,000	"	2,86,000
" 1877	...	...	...	"	10,08,000	"	2,46,000

and the extraordinary rush of famine traffic and wheat for export in 1876 has almost been equalled by the traffic of the month under notice.

#### GENERAL REMARKS.

##### Tirhoot State Railway.

Through-booking with this line has now been fully organized, and about 2,000 tons of goods came through from it in December, including 1,000 tons of seed, 300 tons of saltpetre, and 420 tons of indigo; there is every reason to expect, a good traffic here.

*Half-year's Traffic.*

As this is the last report for 1877, I may say a few words as to the gross results of the half-year's working as regards merchandize.

The figures given will not be quite accurate no doubt, but are sufficiently approximate, and may be interesting pending the submission of the more accurate returns which will follow.

The main line totals for the half-year may be taken at merchandize only—

	1876	1877	Tons.	£
	...	...	935,000	1,419,000
	...	...	1,278,000	1,664,000
Increase	...	...	343,000	245,000
and those for the Jubbulpore line—				
	1876	1877	Tons.	£
	...	...	111,000	119,000
	...	...	203,000	169,000
Increase	...	...	92,000	50,000
or a total increase for the two lines of some	...	...	435,000	295,000

In the main line traffic the principal increases and decreases have been in—

Increases.				Decreases.			
	Tons.	£		Tons.	£		
Pulses	106,000	63,000	Wheat (weight increased)	...	32,000		
Common grains	91,000	82,000	Piece-goods	700	10,700		
Seeds	61,000	63,000	Sugar	5,600	8,000		
Coal	51,000	42,000	Cotton	5,900	20,000		
Rice	19,000	19,000					
Total	328,000	269,000	Total	12,200	70,700		

and these few figures will, I think, give a good idea of the way in which the large increase, both in weight and money has arisen.

As regards the decreased earning in piece-goods, it may be remarked that both the two next preceding half-years showed an increase under this head.

Sugar has been fully remarked on in the body of this report, as have also cotton and wheat.

The latter staple shows an absolute increase in weight carried during the whole half-year of some 13,000 tons, but with a shorter lead, as prospects grew gloomy in the North-Western Provinces.

J. C. BATCHELOR,  
Traffic Manager.

## MAIN LINE.

Statement showing the Totals and Increases and Decreases of Staples during five weeks and two day ending 31st December 1877.

STAPLES.	WEIGHT.		AMOUNT.		INCREASE OR DECREASE.			
	1876.	1877.	1876.	1877.	Increase.		Decrease.	
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Rs.	Mds.
Beer, Commissariat	15,522	6,587	26,525	1,731	...	...	8,935	24,794
" not Commissariat	8,561	8,216	12,012	10,704	...	...	345	1,908
Betel-nuts	15,094	15,837	15,320	16,152	763	832	...	...
Boots and shoes	2,785	2,051	4,523	5,278	146	750	...	...
Brass and brassware	12,540	13,549	9,768	11,653	1,009	1,885	...	...
Bricks	8,523	8,151	1,074	2,298	4,623	1,224	...	...
Coal, up	4,53,853	5,67,806	1,68,737	2,17,022	1,14,007	48,283	...	...
" down	12,53,479	15,57,299	1,72,541	2,04,000	3,03,820	31,459	...	...
Copper	7,396	8,043	11,128	12,507	1,557	1,079	...	...
Cotton	1,18,608	29,503	1,04,251	34,366	...	...	89,165	1,20,945
" twist	7,214	10,421	8,801	12,007	3,177	3,206	...	...
Dye-wood	5,740	4,330	7,404	6,474	...	...	1,410	930
Empty coops and casks	4,418	5,036	3,929	4,263	618	334	...	...
Firewood	7,063	10,009	228	378	3,936	150	...	...
Fruits	29,883	26,210	29,574	27,028	...	...	3,673	1,046
Glass and glassware	4,598	8,104	9,015	9,738	3,500	723	...	...
Glue and oil	36,432	41,957	45,011	42,817	4,635	...	...	2,194
G. B. T. packages	3,362	3,670	4,781	8,273	278	1,492	...	...
Government Commissariat stores	13,197	18,517	8,969	18,100	5,320	9,131	...	...
" Ordnance stores	15,303	9,907	34,465	19,076	...	...	5,306	15,379
" Harley	2,138	93,613	516	10,284	91,475	8,768	...	...
" Onta	36,510	24,681	12,291	8,215	...	...	11,820	4,076
GRAIN, EDIBLE, AND	11,17,411	7,26,893	2,09,522	1,90,501	...	...	3,90,718	13,031
PULSES.	5,00,969	2,31,034	3,21,987	33,933	...	...	2,09,925	2,38,054
Wheat	6,40,907	8,47,991	1,04,784	2,52,238	2,07,084	87,449	...	...
Other grains	2,68,404	4,71,435	1,09,182	1,20,046	2,03,031	10,364	...	...
Pulses of all kinds	82,276	88,165	92,369	54,350	...	...	...	8,039
Gunny	61,611	96,779	37,773	72,242	85,169	34,800	...	...
Hides and horns	63,001	89,742	97,176	1,14,771	21,741	19,595	...	...
Indigo	75,748	83,166	76,544	78,200	7,420	1,656	...	...
Iron	94,646	90,013	10,240	20,991	...	1,751	5,533	...
Jaggree	34,927	37,851	16,327	18,654	2,924	2,337	...	...
Lac	14,925	19,732	3,103	4,445	4,807	1,382	...	...
Mineral	5,814	6,436	1,576	1,523	...	...	...	51
Mowah flower	4,251	12,252	1,947	6,028	6,001	4,081	...	...
Oil cake	81,890	7,881	88,313	97,916	9,148	9,873	...	...
Opium	8,105	91,038	11,444	13,540	...	2,002	284	...
Paper	1,17,016	1,36,851	1,43,138	1,67,858	19,033	14,720	...	...
Piece-goods	9,015	5,980	714	619	...	...	3,055	95
Railway materials, construction account	67,184	74,085	82,436	89,631	7,801	7,196	...	...
" foreign	22,208	20,643	10,805	10,701	...	...	1,565	44
Roots	4,74,801	4,11,628	1,30,486	1,13,080	...	...	63,295	17,406
Salt	78,487	71,709	82,098	24,770	...	...	6,718	3,328
Seeds	5,11,777	7,41,062	2,31,403	2,96,612	2,30,175	66,230	...	...
Silk	1,329	3,216	1,816	2,940	1,587	1,124	...	...
Spelter	6,938	10,170	9,928	12,396	3,232	2,568	...	...
Spices	9,444	10,410	8,269	10,973	946	2,704	...	...
Stones	67,590	1,15,123	8,439	13,298	47,533	4,859	...	...
Sugar	2,04,488	92,210	96,460	30,374	...	...	1,12,278	66,095
Tea	18,988	17,120	17,411	19,370	1,134	1,869	...	...
Timber	18,529	23,774	4,030	10,217	5,245	11,587	...	...
Tobacco	12,037	23,307	5,947	12,074	11,270	6,127	...	...
Turneric	6,646	4,445	4,293	3,023	...	...	2,801	1,371
Waxes	10,248	8,908	23,713	18,139	...	...	1,340	5,576
Miscellaneous	1,60,220	1,80,850	1,79,723	1,63,839	630	...	...	16,384
Total	69,16,144	73,08,617	29,04,425	27,68,081	13,71,618	4,04,190	9,78,145	6,00,534

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 19th January 1878 on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.			Coach- ing.	Merchan- dise.	Total.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	119,939	1,74,466 3 0	15,992 14 8	14,26,703 0	5,42,372 10 3	49,717 9 10	7,16,839 13 3	47,662	102,008	149,670
Or per mile of railway ...	.....	136 5 3	12 9 11	.....	423 13 0	38 17 0	560 2 3	.....	.....	.....
For previous 12 days of half- year ... ..	198,161	2,07,213 5 6	27,245 0 4	23,65,410 0	9,25,512 8 0	84,920 6 3	12,22,370 13 6	80,795½	183,719½	264,514½
Total for 3 weeks ...	318,100	4,71,084 8 6	43,237 15 0	37,92,113 0	14,67,693 2 3	134,337 16 1	19,39,369 10 0	124,357½	246,620½	313,084½
COMPARISON.										
Total for corresponding week of previous year ...	142,938½	2,75,081 8 0	25,216 16 1	11,40,482 30	4,89,256 0 0	44,949 9 4	7,64,337 8 0	54,739	92,450	147,239
Per mile of railway, correspond- ing week of previous year ...	.....	214 15 2	19 14 1	.....	382 4 11	35 0 11	597 4 1	.....	.....	.....
Total to corresponding date of previous year ... ..	302,125	8,67,395 0 4	79,511 5 3	36,05,156 30	14,29,574 2 0	131,044 5 10	22,06,930 11 4	167,531	232,309	400,000

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 19th January 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	7,040½	22,115 8 0	2,027 5 1	1,45,211 0	44,761 2 0	4,103 2 1	60,873 10 6	4,951	11,082½	15,733½
Or per mile of railway ...	.....	98 13 5	9 1 3	.....	200 0 10	18 6 9	268 14 3	.....	.....	.....
For previous 12 days of half-year ...	12,232½	35,333 5 0	3,278 17 9	2,89,121 20	78,690 0 0	7,212 0 8	1,14,013 5 0	8,439½	19,132	27,671½
Total for 3 weeks ...	19,273	57,448 13 6	5,304 2 10	4,31,332 20	1,23,441 2 0	11,315 8 9	1,80,889 15 6	13,000½	30,214½	43,304½
COMPARISON.										
Total for corresponding week of previous year ...	8,719½	42,393 10 6	4,802 5 11	1,94,158 20	52,617 13 0	4,923 0 0	1,05,000 7 6	7,034	17,563	24,597
Per mile of railway, corresponding week of previous year ...	.....	234 2 3	21 9 3	.....	233 2 7	21 11 2	469 4 10	.....	.....	.....
Total to corresponding date of previous year ...	28,469½	1,57,093 11 5	14,400 8 10	6,09,072 0	1,59,064 8 0	14,398 8 3	3,14,030 3 5	19,045	46,756	65,761

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 19th January 1878 on 158½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Total Receipts.
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.	
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.
Total traffic for the week ...	37,166	24,048 15 6	2,239 9 9	1,76,854 0	46,547 1 4
Or per mile of railway ...	235	153 12 2	14 5 7	1,117 23	294 6 3
For previous 2 weeks of half-year ...	58,012	47,437 9 9	3,930 2 4	2,96,023 20	71,350 6 4
Total for 3 weeks ...	95,178	71,486 9 3	6,169 12 1	4,72,878 38	1,17,977 7 8
COMPARISON.					
Total for corresponding week of previous year ...	32,632	23,927 1 1	2,193 6 3	1,42,369 38	59,004 11 4
Per mile of railway, corresponding week of previous year ...	206	151 3 2	13 17 8	890 26	216 7 7
Total to corresponding date of previous year ...	93,533	66,241 10 4	6,072 2 11	5,14,711 0	1,08,923 7 0

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 19th January 1878 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	2,362	1,053 0 0	105 6 0	31,100 0	991 0 0	98 2 0	303 8 0
Or per mile of railway ...	87	38 8 0	3 17 0	1,111 0	36 0 0	3 12 0	7 9 0
For previous 2 weeks of half-year ...	3,981	1,748 0 0	174 18 0	22,671 0	1,473 0 0	147 4 0	322 0 0
Total for 3 weeks ...	6,343	2,801 0 0	280 2 0	53,771 0	2,463 0 0	245 6 0	525 8 0
COMPARISON.							
Total for corresponding week of previous year ...	2,189½	953 3 3	95 6 5	5,534 4	496 12 3	49 13 6	144 19 11
Per mile of railway, corresponding week of previous year ...	80	34 15 8	3 9 11	203 3	18 3 7	1 16 6	5 6 5
Total to corresponding date of previous year ...	5,881½	2,614 3 6	261 8 5	33,516 33	2,225 13 3	222 11 8	484 0 1

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 23d January 1878 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	2,513	1,008 0 0	100 16 0	15,063 0	997 0 0	98 14 0	109 10 0
Or per mile of railway ...	92	37 0 0	3 14 0	533 0	36 0 0	3 13 0	7 4 0
For previous 3 weeks of half-year ...	6,343	2,801 0 0	280 2 0	53,771 0	2,463 0 0	243 6 0	525 8 0
Total for 4 weeks ...	8,856	3,809 0 0	380 18 0	68,833 0	3,460 0 0	344 0 0	724 18 0
COMPARISON.							
Total for corresponding week of previous year ...	2,754	1,267 2 0	128 14 3	5,103 20	431 13 0	43 8 9	171 18 0
Per mile of railway, corresponding week of previous year ...	101	47 3 9	4 14 6	187 19	15 13 0	1 11 9	6 6 3
Total to corresponding date of previous year ...	8,635½	3,901 5 6	390 3 8	33,625 13	2,657 11 0	265 15 5	655 18 0

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 19th January 1878 on 28 miles open.*

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	9,252	1,000 0 0	166 0 0	25,378 0	865 0 0	86 10 0	252 10 0
Or per mile of railway ... ..	330	59 0 0	5 18 0	631 0	31 0 0	3 2 0	9 0 0
For previous 2 weeks of half-year ... ..	13,679	2,539 0 0	253 18 0	27,437 0	1,072 0 0	107 4 0	361 2 0
Total for 3 weeks ... ..	23,131	4,189 0 0	419 18 0	52,715 0	1,937 0 0	193 14 0	613 12 0
COMPARISON.							
Total for corresponding week of previous year ... ..	11,271	1,472 0 6	147 4 1	13,008 1	527 14 1	52 15 9	109 19 10
Per mile of railway, corresponding week of previous year ... ..	402	52 9 2	5 5 2	406 25	18 13 7	1 17 8	7 2 10
Total to corresponding date of previous year ... ..	30,478	4,103 3 6	410 6 5	41,556 11	1,482 14 4	148 5 9	558 12 3

## NORTHERN BENGAL STATE RAILWAY.

*Approximate Return of Traffic for week ended 5th January 1878 on 134½ miles open.*

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	1,437	768 8 6	76 13 0	4,135 20	582 3 0	58 4 5	134 17 5
Or per mile of railway ... ..	11	5 11 6	0 11 5	30 35	4 5 6	0 8 8	1 0 1
For previous weeks of half-year ... ..	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ... ..	1,437	768 8 6	76 13 0	4,135 20	582 3 0	58 4 5	134 17 5
COMPARISON.							
Total for corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year ... ..	.....	.....	.....	.....	.....	.....	.....

## NORTHERN BENGAL STATE RAILWAY.

*Approximate Return of Traffic for week ended 12th January 1878 on 134½ miles open.*

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	2,181½	1,191 8 3	119 3 0	6,159 0	740 9 0	74 19 2	194 2 3
Or per mile of railway ... ..	16	8 14 3	0 17 9	45 38	5 9 6	0 11 2	1 8 11
For previous 1 week of half-year ... ..	1,437	768 8 6	76 13 0	4,135 20	582 3 0	58 4 5	134 17 5
Total for 2 weeks ... ..	3,618½	1,958 0 9	195 16 0	10,294 20	1,331 12 0	133 3 7	328 10 7
COMPARISON.							
Total for corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year ... ..	.....	.....	.....	.....	.....	.....	.....

## TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for week ended 12th January 1878 on 79 miles open.*

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	7,650	4,220 8 0	422 1 0	32,240 0	4,021 12 0	402 3 6	524 4 6
Or per mile of railway ... ..	97	53 5 0	5 6 7	403 0	50 11 0	5 1 5	10 8 0
For previous 1 week of half-year ... ..	4,820	2,310 0 0	231 0 0	3,000 0	963 12 0	96 7 6	327 7 6
Total for 2 weeks ... ..	12,470	6,530 8 0	653 1 0	35,240 0	4,985 8 0	498 11 0	1,151 12 0
COMPARISON.							
Total for corresponding week of previous year, opened 46½ miles ... ..	2,315½	926 10 3	92 13 3	11,618 20	1,033 6 0	103 6 9	196 0 0
Or per mile of railway ... ..	50	20 0 0	2 0 0	252 0	21 12 0	2 3 6	4 5 6
Total to corresponding date of previous year ... ..	4,614½	1,846 15 9	184 9 11	26,681 0	1,969 1 0	196 18 1	381 8 0

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*Index to the Supplement*

TO

THE CALCUTTA GAZETTE

FROM

JULY TO DECEMBER 1877.

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# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY. FEBRUARY 6, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## OBSERVATIONS OF THE GOVERNMENT OF INDIA ON THE BENGAL SANITARY REPORT FOR 1876.

No. 22, dated Fort William, the 28th January 1878.

From—JAMES O'KINEALY, Esq., Offg. Secy. to the Govt. India, Home Dept.,

To—The Secretary to the Government of Bengal, Financial Dept.

I AM directed to acknowledge your endorsement No. 2565, dated 15th August 1877, forwarding the report of the Sanitary Commissioner for Bengal for the year 1876.

2. In reply, I am to remark that His Honor the Lieutenant-Governor has so fully reviewed and discussed the more important points in this report, that but little remains to be said by the Government of India. The Government General in Council is glad to observe that it has been decided to abandon the system of selected areas, and that efforts will in future be directed to effecting improvement in the registration of vital statistics generally throughout the province. It is true that the collection of these statistics in Bengal is encompassed by even greater difficulties than are found to exist in other provinces, but the improvement displayed in the statistics of the year under review affords ground for hoping that eventually they may be brought to yield more valuable results than has hitherto been the case.

3. The statistics of the province do not yet afford the means of estimating with any accuracy the rate of mortality among the population, or the extent to which sickness and mortality have prevailed in different years, except perhaps in the case of cholera and small-pox. With regard to the former, it is observed that the number of deaths registered in 1876 was nearly double the number of the previous year. This greater mortality was to some extent due to the aggravated epidemic which ensued upon the general contamination of the water-supply in those districts which were inundated by the cyclone-wave in the end of October. But the epidemic was not confined to the inundated districts, or to those bordering on them, and the districts of Darjeeling, Chutia Nagpur, and also Behar all suffered more severely than in the previous year.

4. With regard to small-pox, it is observed that, although not very generally prevalent during the year, severe outbreaks occurred in several localities, in the majority of which, the Sanitary Commissioner remarks, the Act prohibiting inoculation is not in operation. The fever which in previous years occasioned such great mortality in several districts of Bengal appears to have generally subsided; but in many localities the malarial fever of the autumn months still exhibits a tendency to assume a low and fatal form—a fact apparently due to the want of proper conservancy arrangements and to foul water. Bowel-complaints appear to prevail to the greatest extent among the population of Orissa, and it is noteworthy that this fact is observed in the case of the population of the same race inhabiting the Sambalpur district of the Central Provinces.

5. In conclusion, I am to convey to His Honor the Lieutenant-Governor the acknowledgments of the Government of India for the complete manner in which he has reviewed the report, which, although somewhat diffuse, has been ably drawn up by Dr. Coates, and reflects credit upon that officer.

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#### PRACTICAL TRAINING TO THE STUDENTS OF THE CIVIL ENGINEERING DEPARTMENT OF THE PRESIDENCY COLLEGE.

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No. 161E.

*Extract from the Proceedings of the Hon'ble the Lieutenant-Governor of Bengal in the Public Works Department (Establishment)*  
under date the 30th January 1878.

—o—o—o—  
Read Resolution of the General (Education) Department of this Government, No. 43 of the 4th January 1878, on the general report on public instruction for the year 1876-77.

RESOLUTION.—For some years past the necessity of giving practical training to the students of the Civil Engineering Department of the Presidency College has been admitted, and has been discussed by the Governments of India and of Bengal. The subject of technical education has of late received additional attention from the Government of Bengal. Not only have there been the College students to consider, but a portion of the native community has shewn an unmistakeable desire to obtain the means of acquiring practical instruction and knowledge of Engineering and mechanics.

2. A system of giving to natives a certain amount of technical instruction in the forge, carpenter's shop and brick-yard has, for nearly two years past, been established under the supervision of the Department of Public Works. The workshops of the 1st Calcutta Division and the Akra brick-yard have been used for this purpose, and a number of young men have commenced their training as practical Engineers under the instruction of officers specially selected for this duty. At first the instruction was confined to passed students of the Civil Engineering Department of the Presidency College who held scholarships for the purpose; but latterly a considerable number of passed students, who were not scholarship-holders, have asked and obtained permission to join the departmental workshops for instruction in various branches of work at their own expense. Both the stipendiary and non-stipendiary students have

taken up their duties in the workshops with considerable earnestness, acquiring practical training by working with their own hands.

3. Hitherto the small existing workshop of the Department of Public Works has been provisionally used as a means of helping on an important end, which circumstances did not allow to be taken up in a more effective manner. But the Lieutenant-Governor has lately determined to establish technical scholarships in various parts of the country in connexion with certain selected schools, and to establish the means of affording thorough technical training to a certain number of those young men who desire to adopt one of the branches of Engineering as a profession.

4. The instruction hitherto given has been purely provisional and tentative, but it has established two facts, *first*, that there is a demand for instruction of this description; and *secondly*, that young natives of good family and position are perfectly willing to work with their hands, and receive instruction precisely as European apprentices would. The necessity of providing for the middle classes the means of adopting some career and some calling in life more calculated to meet their ambition than the limited range of employment now open to them, is daily becoming more thoroughly recognized both by Government and native society. It is impossible, however, to establish any great number of technical schools throughout the country, and they must be so situated that they shall be in connection with some workshops entrusted with real work to do, having a good stock of machinery and appliances, and a staff of able and expensive instructors. The attempts to establish independent technical schools have broken down from the impossibility of giving them a practical shape where they are not in connection with good independent workshops. The Lieutenant-Governor has therefore determined to establish technical scholarships in connection with selected schools, such scholarships will be held at technical schools established in connection with Government workshops.

5. Two centres will be sufficient for this purpose at present, though possibly a few scholarships may eventually be attached to Railway workshops either of the State Railways, or of the Guaranteed lines in the event of the Directors and Agents of those lines being willing to receive apprentices. One centre has already been established at Dehree in Behar, where a number of young men have been trained, and on completion of their training have readily found employment in various parts of the country. Measures have been taken to expand this centre and make it available for larger numbers. The other centre should be in Calcutta, and to attain its object it should be constituted on a well considered basis. The necessity for constructing new workshops at the Presidency makes it a convenient time to take up the subject with reference to their situation and size.

6. The Lieutenant-Governor has accordingly appointed the following gentlemen to form a Committee for the propose of considering and reporting what measures are necessary or desirable to establish a practical training institution for Engineers, taking as a nucleus the workshops and manufactories of the Public Works Department at the Presidency, and on what scale the establishment should be formed :—

Major-General J. E. T. Nicolls, R. E.	...	<i>President.</i>
The Hon'ble H. J. Reynolds, Esq., C. S.	...	} <i>Members.</i>
A. W. Croft, Esq.	...	
Colonel F. T. Haig, R. E.	...	
T. S. Isaac, Esq.	...	
Baboo Bhudeb Chunder Mookerjee	...	

7. The Lieutenant-Governor has reason to hope that a benevolent native nobleman much interested in the development of fresh spheres of action for his countrymen in the upper and middle classes, will erect a college for the accommodation of Moffussil students in connection with the institution as soon as it is established. Others would no doubt follow his example, and probably many local scholarships would be established by local beneficence in the various districts of Bengal. The Lieutenant-Governor also hopes to be able to establish scholarships for European and Eurasian lads in connection with these

schools, and separate barracks would have to be built for them. In selecting a site therefore for the new workshop, the possibility of its largely increasing its scope and number of pupils should be borne in mind.

8. The Committee should also consider whether it would be desirable to remove the Civil Engineering Branch of the Presidency College to the neighbourhood of the practical training school, so as to work the two together as one institution for giving a complete technical education and training for Engineers.

ORDER.—Ordered that a copy of this Resolution be forwarded for the information and guidance of the President and each Member of the Committee.

Ordered also that a copy of this Resolution be forwarded to the Educational and Financial Departments of this Government for information.

Ordered also that a copy of this Resolution be published in the Supplement to the *Calcutta Gazette* for general information.

By Order of the Lieutenant-Governor of Bengal,

J. E. T. NICOLLS, *Major-General, R. E.*,

*Secy. to the Government of Bengal  
in the Public Works Department.*

#### STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF PLACES.	STOCKS IN HAND AS COMPILED ON—				
	28th September 1877.	30th October 1877.	1st week of December 1877.	1st week of January 1878.	1st week of February 1878.
	Mds.	Mds.	Mds.	Mds.	Mds.
Bahaghatta .. .. .	5,45,400	5,41,000	3,03,400	6,22,000	5,41,700
Ooltadanga .. .. .	53,500	68,200	45,400	39,900	46,400
Chitpore, Golabaree, Coomortooly, Hatkhola, and Culpay Ghât.	7,45,300	8,08,100	4,32,900	3,62,900	3,37,900
Pathuriachatta, Posta, and Jorabagan	33,400	27,000	16,000	26,400	34,300
Tollygunge, Chitlah, Kidderpore, and Moonshirunge.	2,61,500	2,16,200	1,16,100	1,40,300	1,85,600
21 Minor Bazars (estimated) ..	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Rondyabatty, Nowabgunge, Bhudressur, and Chaudernagore.	37,000	1,00,000	75,000	37,168	43,987
Total ..	21,66,100	22,46,500	14,78,800	17,27,662	16,79,987
On Railway premises both sides the river.	35,540 (on 27th September.)	18,528 (on 29th October.)	12,186 (on 3rd December.)	8,732 (on 4th January 1878.)	17,628 (on 3rd February.)
On boats unloaded as by ..	Port Commissioner's returns (23rd to 25th Sept.) 91,397 (23rd to 25th Sept.)	1,03,386 (24th to 27th Oct.) 43,265 (24th to 27th Oct.)	50,834 (1st to 3rd December.) 16,812 (1st to 3rd December.)	70,103 (2nd to 4th January) 1,21,549 (2nd to 4th January.)	67,818 (1st to 3rd February.) 1,10,042 (1st to 3rd Feb.)
Grand Total of Stocks ..	24,04,086	24,11,679	15,56,632	19,28,016	18,95,345
Probable stocks available for exportation by sea.	12½ lakhs.	12½ lakhs.	5 lakhs.	8½ lakhs.	8½ lakhs.

A. MACKENZIE,

*Secy. to the Govt of Bengal.*

*The 5th February 1878.*

The following Statement shows the quantities of the principal staples of Traffic imported into Calcutta from the interior during the month of December 1877.

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							Jute.	OIL-SEEDS.		Cotton, raw.	Silk.
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.		Linseed.	Mustard seed.		
	Rice.	Paddy.*	Total (in rice).									
BENGAL.												
Burdwan .. ..	1,30,117	385	1,30,502	1,536	225	.....	1,41,118	2,409	149	2,594	...	18
Beerbhoom .. ..	53,168	.....	53,168	.....	.....	.....	53,168	.....	.....	.....	.....	61
Midnapore .. ..	1,31,225	7,118	1,38,343	.....	300	.....	1,38,643	.....	1,294	514	112	135
Hoochly .. ..	22,338	1,678	24,016	13,056	1,495	.....	1,07,875	78,032	33,703	5,912	50	.....
24-Pergunnahs ..	4,81,172	20,762	5,01,934	124	80	.....	4,99,981	48,251	1,000	.....	2,064	1
Nudda .. ..	16,113	.....	16,113	2,845	24,879	448	44,285	18,261	15,240	2,295	86	61
Jessore .. ..	24,058	175	24,233	.....	3,310	60	27,538	7,684	200	.....	.....	3
Moorshedabad ..	45,704	10	45,714	1,152	1,061	.....	48,823	335	1,727	1,407	.....	25
Dinapore .. ..	3,750	.....	3,750	.....	.....	.....	3,750	.....	.....	.....	.....	.....
Rajahmundry ..	4,354	.....	4,354	45	3,644	.....	8,043	27,700	1,590	600	.....	322
Runkpore .. ..	.....	.....	.....	.....	.....	.....	.....	9,735	.....	.....	.....	.....
Bokro .. ..	.....	.....	.....	.....	.....	.....	.....	3,035	197	.....	.....	.....
Patna .. ..	5,001	.....	5,001	.....	10,700	.....	15,701	2,62,488	1,653	7,644	283	.....
Dacca .. ..	22,810	.....	22,810	.....	914	.....	23,724	2,71,985	.....	241	.....	.....
Furzedpore .. ..	30,183	.....	30,183	.....	1,191	.....	31,373	2,30,783	1,000	3,479	7	.....
Backergunge ..	3,30,380	300	3,30,680	.....	.....	.....	3,30,680	2,400	.....	.....	.....	.....
Mymensingh ..	2,049	.....	2,049	.....	.....	.....	2,049	1,41,523	500	650	.....	.....
Tippurah .. ..	1,309	.....	1,309	.....	100	.....	1,409	4,506	.....	.....	.....	.....
Noakhilly .. ..	2,506	.....	2,506	.....	.....	.....	2,506	.....	.....	.....	.....	.....
Total of Bengal ..	14,01,392	39,328	14,28,971	18,762	48,830	508	14,97,100	11,08,970	59,552	25,336	2,583	1,443
BEHAR.												
Patna .. ..	35	.....	35	22,245	10,164	6,499	38,908	.....	1,01,821	38,310	42	.....
Alahabad .. ..	.....	.....	.....	784	3,281	6,104	10,169	.....	6,049	2,217	.....	.....
Mouafforpore ..	.....	.....	.....	.....	.....	.....	.....	.....	6,843	841	.....	.....
Durhhunga .. ..	6	.....	6	.....	32	262	300	.....	64,483	25,617	.....	.....
Sarun .. ..	.....	.....	.....	2,005	240	.....	2,245	.....	14,320	6,761	.....	.....
Chumparan .. ..	.....	.....	.....	.....	.....	.....	.....	.....	4,140	24	.....	.....
Monghyr .. ..	4	.....	4	38,520	22,373	491	61,384	.....	22,017	4,762	113	.....
Bhagulpore .. ..	334	.....	334	33,157	2,321	1,673	37,151	.....	15,417	27,370	.....	.....
Purneah .. ..	.....	.....	.....	3,809	255	.....	4,064	1,304	7,596	18,133	150	.....
Maldah .. ..	.....	.....	.....	1,028	.....	.....	1,028	1,894	2,450	.....	.....	.....
Sonthal Pergunnahs	258	.....	258	7,342	451	235	8,026	.....	2,060	5,557	.....	23
Total of Behar ..	635	.....	635	1,06,390	30,422	15,268	1,61,710	8,198	3,05,983	1,32,654	305	22
ORISSA.												
Cuttack .. ..	79	.....	79	.....	.....	.....	79	813	82	.....	.....	.....
Balasore .. ..	830	1,740	1,017	.....	.....	.....	1,017	2,009	.....	.....	.....	.....
Total of Orissa ..	909	1,740	1,096	.....	.....	.....	1,906	3,223	82	.....	.....	.....
CHOTA NAGPORE.												
Hazarcebagh ..	.....	.....	.....	.....	228	.....	228	.....	.....	974	.....	.....
Maishoom .. ..	388	.....	388	.....	.....	.....	388	.....	.....	.....	.....	.....
Total of Chota Nagpore	388	.....	388	.....	228	.....	616	.....	.....	974	.....	.....
Grand total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	14,06,324	41,068	14,31,800	1,25,153	68,609	15,771	16,61,422	11,15,390	3,65,547	1,58,364	2,887	1,465
OTHER PROVINCES.												
Assam .. ..	525	775	1,009	.....	.....	.....	1,009	4,138	.....	8,143	.....	43
North-Western Provinces	768	.....	768	429	218	343	1,758	.....	90,128	33,913	299	18
Punjab .. ..	10	.....	10	.....	.....	.....	10	.....	.....	.....	218	20
Central Provinces ..	.....	.....	.....	514	.....	.....	514	.....	1,255	.....	3,049	.....
Bombay .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,162	.....
Madras .. ..	.....	.....	.....	.....	11,740	.....	11,740	.....	.....	.....	182	.....
Other places .. ..	31	.....	31	.....	.....	544	575	.....	136	.....	2,372	159
Grand total of imports { In Dec. 1877	14,07,658	41,843	14,33,808	1,26,095	69,473	16,058	16,67,034	11,19,528	3,67,106	1,60,420	17,069	1,710
{ In Dec. 1870	27,05,554	3,085	27,07,048	5,35,771	7,40,955	14,069	10,03,843	10,88,372	2,01,861	99,829	30,782	464

The Sea-borne Trade of Calcutta in these staples during the month of December 1877 was as follows :—

EXPORTED FROM CALCUTTA:—	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
<b>To Indian ports, viz.—</b>												
Madras ..	46,412	.....	46,412	.....	2,748	.....	49,160	213	.....	1,003	.....	586
Other ports in Madras ..	1,89,364	.....	1,89,364	.....	.....	.....	1,89,364	.....	.....	.....	.....	55
Bombay ..	3,27,350	.....	3,27,350	.....	12,578	.....	3,39,928	5,436	.....	.....	3,070	.....
Pondicherry ..	7,728	.....	7,728	.....	.....	.....	7,728	.....	.....	.....	.....	.....
Other Indian ports ..	37,480	.....	37,480	.....	29,474	14	66,954	289	1	18	.....	17
<b>Total of interport trade</b>	<b>6,08,314</b>	<b>.....</b>	<b>6,08,314</b>	<b>.....</b>	<b>44,800</b>	<b>14</b>	<b>6,53,128</b>	<b>5,937</b>	<b>1</b>	<b>1,020</b>	<b>3,070</b>	<b>658</b>
<b>To Foreign ports—</b>												
United Kingdom ..	40,280	.....	40,280	1,08,577	600	.....	2,30,457	4,08,350	3,08,083	1,62,674	.....	1,216
Other foreign ports ..	6,25,134	52	6,25,186	18,532	20,554	10,260	6,83,512	71,415	1,67,577	11,640	6,612	3,062
<b>Total of foreign trade</b>	<b>6,65,414</b>	<b>52</b>	<b>6,65,466</b>	<b>2,17,109</b>	<b>30,154</b>	<b>10,260</b>	<b>7,13,969</b>	<b>5,09,765</b>	<b>4,75,640</b>	<b>1,73,714</b>	<b>6,612</b>	<b>4,378</b>
<b>Grand total</b>	<b>12,73,728</b>	<b>52</b>	<b>12,73,780</b>	<b>2,17,109</b>	<b>74,954</b>	<b>10,274</b>	<b>13,67,097</b>	<b>5,75,702</b>	<b>4,75,641</b>	<b>1,74,734</b>	<b>9,682</b>	<b>4,936</b>
<b>In Dec. 1877</b>	<b>34,01,500</b>	<b>20,844</b>	<b>35,04,527</b>	<b>6,24,713</b>	<b>5,14,832</b>	<b>34,420</b>	<b>45,78,498</b>	<b>6,97,340</b>	<b>2,51,689</b>	<b>1,02,574</b>	<b>27,707</b>	<b>889</b>
<b>In Dec. 1876</b>												

\* A maund of paddy is equivalent to 25 seers of rice.

Taken from the monthly returns of the Custom House, where no information was then available of short shipments and re-lands as regards grains shipped to free ports.

The following Statement shows the several Routes followed by the trade in the principal staples of Traffic imported into Calcutta during the month of December 1877.

Specification of routes.	FOOD-GRAINS.					Jute, raw.	OIL-SEEDS.		Cotton.	Silk.
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.		Linseed.	Mustard seed.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ... ..	10,80,615*	39,004	78,679	40,240	12,018	5,81,915	2,02,581	1,00,251	2,765	616
„ river steamers ... ..	...	...	...	...	...	1,25,736	...	133	...	48
„ rail { East Indian Railway	1,71,701	...	47,111	23,799	4,096	...	2,30,625	84,768	4,579	383
„ Eastern Bengal Railway	48,275	...	305	15,079	...	3,73,443	14,336	6,270	270	611
„ road ... ..	94,127	1,699	...	...	...	35,211	340	...	359	...
„ sea ... ..	940	1,740	...	1,740	544	3,222	218	...	0,116	169
Grand total of { In Dec. 1877 ..	14,07,654	41,843	1,26,005	90,473	16,638	11,10,328	4,57,106	2,00,420	17,069	1,710
imports. { In Dec. 1876 ..	27,05,551	3,985	5,35,771	7,46,955	14,069	10,94,373	2,01,001	99,820	39,782	464

The following Statement shows the quantities and values of the principal staples of Traffic exported inland from Calcutta during the month of December 1877.

#### EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece- goods (European).	Cotton twist (European).	Salt.	Whither exported.	Cotton piece- goods (European).	Cotton twist (European).	Salt.
<b>BENGAL.</b>				<b>CHOTA NAGPORE.</b>			
	Rs.	Mds.	Mds.		Rs.	Mds.	Mds.
Burdwan ... ..	2,65,260	339	39,918	Hazareebagh ... ..	30,720	4	2,768
Beerbhoom ... ..	81,280	140	10,833	Manbhoom ... ..	44,800	270	2,032
Midnapore ... ..	1,66,500	3,375	12,125	Total of Chota Nagpore ...	75,320	274	4,800
Hoochly ... ..	7,660	92	4,717	Grand total of supplies into the provinces under the Lieuten- ant-Governor of Bengal.	63,88,875	11,527	5,75,621
24-Pergunnahs ... ..	1,64,484	371	11,112				
Nudda ... ..	4,60,415	1,320	26,530				
Jessore ... ..	26,053	285	16,878				
Moorsheadabad ... ..	2,01,360	156	18,355				
Dinapore ... ..	...	...	5,819				
Rajshahye ... ..	1,500	...	4,475	<b>OTHER PROVINCES.</b>			
Stungpore ... ..	1,47,620	...	600	Assam ... ..	4,01,019	462	18,077
Pubna ... ..	3,33,805	345	77,237	N. W. Provinces ... ..	15,38,220	1,846	11,336
Dacca ... ..	6,71,280	1,119	60,390	Punjab ... ..	11,33,240	1,457	...
Furreedpore ... ..	3,04,680	998	39,497	Central Provinces ... ..	93,320	357	...
Backergunge ... ..	1,53,510	221	26,456	Rajpootana States ... ..	1,55,180	36	...
Mymensingh ... ..	1,900	...	19,083	Bombay ... ..	68,470	93	...
Tipperah ... ..	...	...	2,287	Madras ... ..	2,68,222	1,400	1,965
Chittagong ... ..	1,05,140	...	2,540	Other places ... ..	3,41,962	1,177	12
Noakholly ... ..	6,090	44	...				
Total of Bengal	31,85,256	9,003	3,79,462	Grand total of { In Dec. 1877 ...	1,04,48,508	18,395	6,07,001
				exports. { In Dec. 1876 ...	92,63,078	12,260	6,21,554
<b>BEHAR.</b>				<i>The sea-borne trade of Calcutta in these staples during the month of December 1877 was as follows:—</i>			
	Rs.	Mds.	Mds.	<b>IMPORTED INTO CALCUTTA :—</b>			
Patna ... ..	10,49,800	300	73,625		Rs.*	Mds.	Mds.
Shahabad ... ..	1,60,240	...	20,960	From Foreign Ports (viz)—			
Mozufferpore ... ..	78,720	...	1,176	United Kingdom ... ..	68,16,122	10,303	4,41,655
Durbhanga ... ..	1,30,000	60	25,337	Other foreign ports ... ..	15,440	...	65,785
Sarun ... ..	...	...	6,954	Total of foreign ports ... ..	68,31,562	10,303	5,07,440
Monkhyr ... ..	2,23,360	104	10,754	From Indian Ports—			
Bhagalpore ... ..	4,26,960	33	12,426	Madras ... ..	...	...	6,976
Purneah ... ..	3,09,200	61	15,040	Other ports in Madras ... ..	941	...	600
Maldah ... ..	...	...	16,678	Bombay ... ..	7,24,635	10,500	30,478
Sonthal Pergunnahs ... ..	4,08,400	182	7,516	Other Indian ports ... ..	3,910	64	...
Total of Behar	28,86,680	740	1,90,366	Total of interport trade ...	7,29,486	10,564	37,934
<b>ORISSA.</b>				Grand total { In Dec. 1877 ...	75,81,048	20,957	5,45,304
Cuttack ... ..	2,05,299	989	632	{ In Dec. 1876 ...	60,09,187	15,139	5,64,434
Balasore ... ..	36,120	515	361				
Total of Orissa	2,41,419	1,504	993				

\* As per tariff declaration value.

The following Statement shows the several routes followed by the Trade in the principal staples of Traffic exported from Calcutta during the month of December 1877.

Specification of routes.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
	Rs.	Mds.	Mds.
By country boats ... ..	2,65,005	4,540	3,60,933
„ river steamers ... ..	7,71,274	530	5,277
„ rail { East Indian Railway	64,85,800	5,415	1,74,163
„ Eastern Bengal Railway	18,06,480	3,221	99,778
„ road ... ..	1,48,507	366	2,890
„ sea ... ..	9,71,042	4,311	2,060
Grand total of exports ... { In Dec. 1877	1,04,48,504	18,395	6,07,001
{ In Dec. 1876	92,63,078	12,260	6,21,554

STATISTICAL DEPARTMENT,  
The 5th February 1878.

A. MACKENZIE,  
Secretary to the Government of Bengal.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 2nd February 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIVN.</b>	1 Burdwan, Feb. 2 '78	0.24 Culna 0.04 Cutwa 0.06	The prospects of the winter crops look favorable. The late rain has done good to cotton plants. Cholera has not abated in the Culna, Bood-Bood, and Jehanabad sub-divisions.
	2 Bankoora, " 2 "	0.95	In the beginning of the week the weather grew warmer; in the last half it was cloudy and rainy. The crops are advancing well, the rain having revived them considerably.
	3 Beerbhoom, " 2 "	0.29	Weather—seasonable. State and prospects of the crops are good.
	4 Midnapore " 2 "	0.11	Weather—growing rapidly warmer. Prospects of the crops are fair.
	5 Hooghly, " 2 "	0.19	Weather—cloudy, with drizzling rain on the 30th January and 1st February; warm in the first part of the week, but cool since the 30th January. Pulses and winter crops are doing well. Public health is normal. Cattle disease has broken out in the Dhaneakhally station.
<b>PRESIDENCY DIVN.</b>	Howrah, " 4 "	0.06	Weather—getting warmer. The rice harvest is complete. The planting of <i>boro</i> <i>dhan</i> is progressing. Sugarcane is being cut; the yield is good.
	<i>Central Districts.</i>		
	6 24-Pergunnahs, Feb. 2 '78	0.08	The first part of the week was warm, but latterly the weather was cold and cloudy. State and prospects of the crops are good. Cholera and fever are abating.
	7 Nuddea, " 2 "	0.09	The weather has been unseasonably hot, but rain has somewhat cooled the air. The crops have in most parts been stunted through drought, but on the whole the outturn is not likely to be bad. Rice is very dear.
	8 Jessore, " 2 "	0.12	Weather—fine. Friday (February 1st) was cloudy, and in the afternoon a drizzling rain fell. The winter crops are reported good throughout the district, except in Bagirhat. A little more rain would do good.
<b>RAJSHAHYE AND COOCH BEHAR DIVN.</b>	9 Moorsshedabad, " 2 "	0.20	Weather—cloudy during the week. Fine and seasonable on the 2nd instant. The prospects of the <i>rubber</i> crops are generally favourable. Cholera is still prevalent in Burwa, Bharatpore, Rampore Hât and Raghunathgunge.
	10 Dinagepore, " 1 "	0.59	The rain has been general. The land is being broken up for the <i>bhadosi</i> crops, and the fall of rain is very seasonable for them. It has injured the mangoes.
	11 Rajshahye, " 2 "	Nil	In the beginning of the week the weather was warm, after which there was a very slight fall of rain in almost all parts of the district; during the latter part it has been cold. The cutting of the winter rice is nearly finished. The prospects of the <i>rubber</i> crops are good. A few cases of cholera have been reported from Singra and Lalpore.
	12 Rungpore, " 1 "	0.03 Bagdogra 0.37	Slight rain fell in parts of the district. The cold-weather crops are doing well. Ploughing for <i>aus</i> sowings has commenced.
	13 Bogra, " 2 "	0.16	Weather—cloudy during the first part of the week, but now clear and seasonable. There was a small fall of rain. Nearly the whole of the <i>aman</i> paddy and mustard have been gathered. The cutting of sugarcane has commenced. There is still some cholera in Adumdighi and Dhospchauchia.
	14 Pubna, " 2 "	0.04	Weather—cool and occasionally cloudy. The harvesting of <i>haldi</i> and sugarcane is still going on. The prospects of <i>aman dhan</i> appear to be good. Fever has not as yet disappeared from the Pubna town.
	15 Dargeeling, " 1 "	0.30	Weather—very cold and misty. There are no crops of importance on the ground. The minor crops are doing well.
	16 Julpigoree, " 2 "	0.13	Weather—seasonable. Prospects of winter crops are good. Land is being prepared for <i>bhadosi</i> rice.
<b>RAJSHAHYE AND COOCH BEHAR DIVN.</b>	Cooch Behar, Jan. 31 "	0.09 Dinhatia 0.14 Meckligunge a few drops on 27th Jan.	Weather—warmer than last week. The sky was cloudy for two or three days, but is now clear again. There was a slight shower of rain in some places on the 27th, and in others on the 28th January. Prospects of the tobacco and other cold-weather crops on the ground are fairly good; they would have been better if a little more rain had fallen. In some places within the jurisdiction of the Meckligunge sub-division the mustard-seed crop is reported to have been injured by small insects. New rice is selling in the Cooch Behar Bazar at Rs. 3 2 per maund. This is a very high price for the season of the year, especially as the reaping of <i>haimanti dhan</i> was finished only a few days ago. Fever has almost disappeared, and there has been a change for the better in the state of public health.



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL—(Continued.)			
Eastern Districts.			
DACCA DIV.	17 Dacca, Feb. 2 '78	Nil	Weather—warmer than it should be, and cloudy. State and prospects of the crops are good.
	18 Furreedpore, „ 2 „	0.03	Weather—cloudy on the 1st and 2nd instant. <i>Kalai</i> and <i>Moong</i> have been reaped. The state of the <i>rubbee</i> crops is fair.
	19 Backergunge, Jan. 31 „	Nil	All is well. In Dakshin Shabazpore the price of rice has suddenly risen to Rs. 2-12 to Rs. 3; large quantities are being exported to Calcutta and other districts. General health is good.
	20 Mymensingh, „ 1 „	Nil	Weather—fine and warmer. State and prospects of the crops are satisfactory.
	21 Tipperah, Feb. 1 „	Nil	Weather—fine. The cold-weather crops promise well, but mustard, of which about one-half has been reaped, has been injured by insects in many places.
CHITTAGONG DIV.	22 Chittagong, Jan. 31 „	Nil	Weather—fine; hazy; getting warm. State and prospects of the crops are good. Rice is getting dear; prices are generally from 10 to 13 seers per rupee, and in the south of the district from 16 to 18 seers. Some dearth is anticipated.
	23 Noakholly, Jan. 31 „	Nil	Weather—seasonable. The cold-weather crops are progressing favourably. Public health is good.
	24 Chittagong Hill Tracts, „ 29 „	Nil	Weather—seasonable. The hillmen have begun to cut jungle for <i>jooming</i> . Mustard is being gathered; a poor outturn is anticipated.
	Hill Tipperah, „ 30 „	Nil	Weather—rather warm for the season. No change in the state and prospects of the crops since last report.
BEHAR.			
PATNA DIV.	25 Patna, Feb. 2 '78	0.35	Weather—seasonably cold. Prospects of the <i>rubbee</i> crops continue good, but considerable damage has been done by caterpillars. Health is good.
	26 Gya, „ 2 „	0.02 Nowada 0.09	Weather—cloudy at times. Maximum thermometer in the shade 77.6°. Insects are doing damage to some of the <i>rubbee</i> crops in the Sudder and Jehanabad sub-divisions; otherwise prospects are good, and are reported as unusually good in Nowada.
	27 Shahabad, „ 2 „	0.60	Weather—cloudy and occasionally clear. The standing crops are looking healthier than before. More rain, however, will prove injurious to them. Peas and other early sown crops are being reaped. Peas and gram have been damaged by frost in certain parts of the Bhubooah sub-division.
	28 Durbhunga, „ 2 „	0.77	The <i>rubbee</i> crops promise well all over the district, save in portions of the Tajpore sub-division, where they have suffered both from drought and from frost.
	29 Mozufferpore, „ 2 „	1.27	Weather—mild and clear. The <i>rubbee</i> crops have been greatly benefitted by the rain which fell in the beginning of the week, and there is now every prospect of a good harvest.
	30 Sarun, „ 2 „	0.62	Weather—cloudy during the first part of the week; latterly seasonably cool. There was a heavy shower at Gopalgunge, measuring 0.93 of an inch. West wind is prevailing. Prospects of the crops continue fair. Peas and gram are ripening. Mustard is in seed. Poppy is in flower. The Sub-divisional Officer of Sewan has reported that <i>rubbee</i> will be somewhat less than an average crop.
BHAGULPORE DIVISION.	31 Chumparun, „ 2 „	0.58	Weather—becoming warmer in the day time. The late rain has been of much benefit to the <i>rubbee</i> crops, which now promise very well. Importations of rice continue from Tirhoot. Prices are easy.
	32 Monghyr, „ 2 „	0.54 Begoo- serai 0.79. Jamoohi 0.20	Weather—cloudy, with east wind. State and prospects of the crops are good.
	33 Bhagulpore, „ 2 „	1.20	General rain on the morning of the 28th ultimo; since then weather cloudy. The rain has done much good. The prospects of the <i>rubbee</i> crops are very favourable. Exportation of food-grains continues, and prices are still rising. General health is good.
	34 Purneah, „ 2 „	0.09 Arrarrah 0.19	Weather—cold and cloudy. There has been heavy rain in some parts of the district which will benefit the wheat. Mustard is being reaped; the crop is fair.
	35 Maldah, „ 2 „	1.42	Heavy rain on the night of the 27th January; otherwise weather fair. State and prospects of the crops are satisfactory. Fever is reported to be decidedly less.
	36 Sonthal Pergah, „ 3 „	Nil	Clouds and drizzle and promise of rain off and on for the last fortnight, with showers in odd places. The <i>rubbee</i> crops are good in most places, and are best in Godda and Rajmehal. With bad cultivation there is a great deal of very good mustard, and some flax and gram. In Godda wheat and barley are doing fairly. The rice crop was excellent everywhere.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.			
ORISSA DIVN.	37 Cuttack, Feb. 2 '77	Not given.	Storm and rain on the 1st instant; otherwise weather fair, and no rain. The reaping of all the crops has nearly been finished. <i>Dalua</i> rice is growing well and will be benefitted by the rain. Public health is on the whole good.
	38 Pooree Jan. 31 "	Nil	Weather - warm for the season. <i>Saral</i> rice is being harvested; the crop is deficient. <i>Dalua</i> rice is progressing well in low lands, but on uplands want of water is felt. <i>Moong</i> , <i>kalai</i> , and tobacco promise well. The mango crop does not seem to be a good one. The <i>mandia</i> crop in the salt tracts is suffering severely for want of water. Common rice is selling at 15½ to 21 seers per rupee. Some rice was exported by sea last week.
	39 Balasore, Feb. 1 "	Nil	Weather—fine at present, but threatens rain. The winter crops are good. In the north of the district fever still prevails. A few cases of cholera are reported.
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh, Feb. 1 '78	0·17	Weather—colder again; cloudy. The rain and damp weather have done some good to the <i>rubbee</i> crops.
41	Loharungga, " 2 "	0·48	There has been rain in three of the police station circles in the head-quarters division, but none in Palamow. The prospects of the <i>rubbee</i> crops are still as good as usual. Public health is good.
42	Singbhoom, " 1 "	0·60	Weather—seasonable. Nothing to report about the crops. The district is healthy.
43	Manbhoom, " 2 "	0·37	For the most part of the week the weather has been cloudy, and towards the end rain has fallen over a large part of the district. It may do good to the crops, but prices are high. Common rice is selling at 16 seers for the rupee. Cholera is still reported from Raipore.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 5th February 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

*RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the*

QUANTITIES PER RUPEE B.																																					
DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUL MILLET— CUMBOO, RAJRA.			GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.																		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
BENGAL.																																					
Western Districts.																																					
	A	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.		
Burdwan		11	8	12	8	14	12	25	0	25	0	30	0	15	12	14	8	19	0	16	8	15	4	21	0	..	..	..	..	..	..	..	..	..	..		
	B	13	4	13	12	16	0	22	0	24	0	24	0	15	8	15	0	22	8	17	0	18	0	23	12	..	..	..	..	..	..	..	..	..	..		
Bankoora		13	0	12	8	15	0	20	0	20	0	..	12	0	2	0	16	8	13	8	15	0	20	0	..	..	..	..	..	..	..	..	..	..	..		
Beerbhoom		13	0	12	8	15	0	20	0	20	0	..	12	0	2	0	16	8	13	8	15	0	20	0	..	..	..	..	..	..	..	..	..	..	..		
Midnapore		13	0	13	0	17	0	..	..	..	..	13	0	11	0	20	0	16	0	17	0	21	0	..	..	..	..	..	..	..	..	..	..	..	..		
Hooahly	D	13	0	13	0	16	0	..	..	..	..	10	0	10	0	{ 10 0 } to { 11 0 }	14	0	{ 13 0 } to { 15 0 }	13	8	16	0	..	..	..	..	..	..	..	..	..	..	..	..		
Howrah		13	0	12	8	14	0	..	..	..	..	11	0	9	0	15	0	15	0	14	0	16	0	..	..	..	..	..	..	..	..	..	..	..	..		
Central Districts.																																					
Calcutta	E	12	8	12	0	15	8	16	0	18	0	25	0	7	0	7	0	9	0	11	8	12	0	14	0	..	..	..	..	13	5	18	0	18	0		
24-Pergunnabs.		..	..	..	..	..	..	..	..	..	..	7	4	7	4	8	0	11	8	12	4	14	8	..	..	..	..	..	..	..	..	..	..	..	..		
Nuddea		13	5	13	5	20	0	30	8	..	..	..	12	5	13	1	12	5	12	13	16	0	..	..	..	..	..	..	..	..	..	..	..	..	..		
Jessore	F	11	8	..	17	0	..	..	..	..	..	11	0	10	0	15	0	15	8	14	0	20	0	..	..	..	..	..	..	..	..	..	..	..	..		
	G	15	0	{ 14 0 } to { 15 0 }	17	0	33	8	27	0	35	0	{ 30 0 } to { 31 0 }	{ 10 0 } to { 11 0 }	16	0	{ 14 0 } to { 15 0 }	15	8	15	8	20	0	..	..	..	..	..	..	..	..	..	..	..	..		
Moorshedabad		15	0	{ 14 0 } to { 15 0 }	17	0	33	8	27	0	35	0	{ 30 0 } to { 31 0 }	{ 10 0 } to { 11 0 }	16	0	{ 14 0 } to { 15 0 }	15	8	15	8	20	0	..	..	..	..	..	..	..	..	..	..	..	..		
Dinapore	H	12	0	13	3	12	0	11	6	11	4	..	16	0	15	0	20	0	21	8	19	0	28	0	..	..	..	..	..	..	..	..	..	..	..		
Rajshahye	I	12	0	{ 16 8 } to { 18 0 }	15	0	32	0	26	12	24	0	{ 12 0 } to { 13 8 }	9	12	{ 15 0 } to { 18 0 }	14	1	13	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
	J	15	13	15	13	26	12	..	..	..	..	11	12	11	5	15	0	22	8	22	8	22	8	..	..	..	..	..	..	..	..	..	..	..	..		
Rungpoie		15	13	15	13	26	12	..	..	..	..	11	12	11	5	15	0	22	8	22	8	22	8	..	..	..	..	..	..	..	..	..	..	..	..		
Bogra		9	12	9	12	17	8	..	..	..	..	15	0	12	0	20	0	19	8	21	0	30	0	..	..	..	..	..	..	..	..	..	..	..	..		
Pabna		{ 13 0 } to { 16 0 }	{ 13 0 } to { 16 0 }	18	12	..	..	..	..	..	..	8	0	8	0	12	0	16	0	16	0	25	0	..	..	..	..	..	..	..	..	..	..	..	..	..	
Darjeeling		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Julpigoree	K	10	0	9	1	..	..	..	..	..	..	13	0	13	0	13	3	16	0	19	0	20	0	..	..	..	..	..	..	..	..	..	..	..	..		
Eastern Districts.																																					
Dacca	L	12	4	12	4	13	4	32	0	32	0	12	8	12	4	11	7	{ 11 8 } to { 16 0 }	16	0	16	0	23	0	..	..	..	..	..	..	..	..	..	..	..	..	
	M	15	0	14	0	24	0	..	..	..	..	30	0	8	0	8	0	10	0	15	0	15	0	21	0	..	..	..	..	..	..	..	..	..	..	..	
Furreedpore		15	0	14	0	24	0	..	..	..	..	30	0	8	0	8	0	10	0	15	0	15	0	21	0	..	..	..	..	..	..	..	..	..	..	..	
Backergunge	N	..	..	..	..	..	..	..	..	..	..	12	0	13	0	16	0	15	0	16	0	13	0	..	..	..	..	..	..	..	..	..	..	..	..	..	
	O	10	0	10	0	14	0	..	..	..	..	11	0	14	0	20	0	15	12	15	12	26	4	..	..	..	..	..	..	..	..	..	..	..	..	..	

<sup>1</sup> The high wages obtained by coolies employed at the jetties and on board ship make up the high average of cooly labour in Calcutta.

1. In the interior the prices range as follow:—Wheat 10 to 16½ seers, barley 26 to 33 seers, best rice 12 to 16½ seers, common rice 13½ to 19½ seers, and gram 12½ to 20 seers.

3 In the town the prices range as follows:—Wheat 12 to 16 seers, barley 20 to 36 seers, best rice 13 to 18 seers, common rice 14 to 20 seers, maize or Indian-corn 18 to 39 seers, and gram 13 to 16 seers.

2. In the interior the rice range as follow :—W heat 12½ to 18 seers, best rice 13 to 19 seers, common rice 14 to 20 seers, and gram 13½ to 20 seers.

1) In the interior the prices range as follow:—Wheat 12 to 13½ seers, barley 20 to 32 seers, best rice 7 to 12½ seers, common rice 13 to 16 seers, and gram 12½ to 18 seers.

2 In the interior the prices range as follow:—Wheat 10½ to 12½ seers, barley 17½ to 17¾ seers, best rice 16½ seers, common rice 11½ to 16 seers, and gram 13½ to 13¾ seers.

<sup>a</sup> In the interior the prices range as follow :—Wheat 8 to 13½ seers, best rice 10 to 14 seers, common rice 13 to 15 seers, and gram 10 to 16 seers.

# SUPPLEMENT TO THE CALCUTTA GAZETTE, FEBRUARY 6, 1878.

undermentioned Districts of Bengal for the Fortnight ending 31st January 1878.

THE SEER OF 80 TOLAHS.

AVERAGE WAGES PER MONTH.

MAIZE OR INDIAN-CORN.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			SYCE OR HORSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.			DISTRICT.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
BENGAL.																					
Western Districts.																					
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Burdwan.
...	...	...	15 0	14 12	20 0	120 0	120 0	160 0	...	9 0	9 4	6 8	6 8	1 0	5 8	5 8	5 0	10 4	11 4	7 8	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	13 4	15 0	17 8	140 0	140 0	140 0	8 8	8 8	8 12	...	...	...	...	...	...	...	...	...	Bankura.
...	...	...	16 8	16 0	15 0	200 0	200 0	200 0	8 8	8 8	8 8	5 0	5 0	5 0	5 0	5 0	1 0	8 0	7 13	7 8	Beerbhoom.
...	...	...	16 0	17 0	17 0	180 0	180 0	200 0	8 8	8 8	9 0	5 0	4 0	5 0	5 0	5 0	5 0	...	...	...	Midnapore.
...	...	...	15 0	13 0	14 0	120 0	120 0	130 0	9 0	9 0	9 0	5 0	6 8	5 0	...	...	...	...	...	...	Hooghly.
...	...	...	11 0	17 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	14 0	15 0	22 8	100 0	115 0	120 0	9 8	9 8	10 6	8 0	7 0	8 0	7 0	7 0	7 0	13 0	12 0	13 0	Howrah.
Central Districts.																					
10 8	18 0	22 0	16 0	18 0	19 0	100 0	100 0	100 0	8 0	8 0	8 0	12 0	11 6	9 8	6 8	6 0	6 0	15 8	15 0	15 8	Calcutta.
...	...	...	12 8	13 4	17 0	90 0	100 0	100 0	9 0	9 0	9 6	6 0	6 0	6 0	6 0	6 0	6 0	16 0	16 0	15 0	24-Pergunnahs.
...	...	...	20 0	20 0	22 11	100 0	100 0	120 0	8 14	8 11	9 21	6 0	6 0	6 0	6 0	6 0	6 0	...	...	...	Nuddea.
...	...	...	16 0	16 0	22 12	110 0	110 0	80 0	8 0	8 0	8 0	7 8	7 8	7 8	6 0	6 0	5 0	13 0	...	...	Jessore.
...	...	...	20 0	20 0	20 0	120 0	120 0	120 0	7 0	7 0	4 0	3 12	3 12	2 12	4 0	4 0	4 0	...	...	...	Moorshedabad.
...	...	...	13 10	13 4	20 0	180 0	180 0	180 0	7 12	7 8	8 4	...	...	...	...	...	...	...	...	...	Dinagore.
...	...	...	12 0	13 8	...	15 0	200 0	240 0	8 5	8 10	9 0	...	...	...	...	...	...	...	...	...	Rajshahye.
...	...	...	13 8	13 8	18 0	107 0	107 0	107 0	8 1	8 1	7 8	6 0	5 10	6 0	6 0	6 0	6 0	...	...	...	Rungpore.
...	...	...	12 0	12 0	18 0	67 8	67 8	67 8	8 4	7 11	8 4	5 0	5 0	5 0	6 0	6 0	6 0	...	...	...	Bogra.
...	...	...	13 0	13 0	22 0	200 0	200 0	200 0	8 8	8 8	9 0	...	...	...	...	...	...	...	...	...	Pubna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Jalpigoree.
Eastern Districts.																					
...	...	...	13 5	12 4	16 0	80 0	80 0	120 0	9 0	9 0	8 14	...	...	...	...	...	...	...	...	...	Dacca.
...	...	...	14 0	12 0	18 0	...	...	...	9 0	9 0	9 0	5 0	5 0	5 0	6 0	6 0	6 0	...	...	...	Farreedpore.
...	...	...	13 0	13 0	20 0	100 0	100 0	100 0	8 8	8 8	8 8	7 8	7 8	7 8	6 0	6 0	6 0	...	...	...	Backergunge.
...	...	...	12 8	12 0	14 0	...	...	...	9 0	9 0	8 11	...	...	...	...	...	...	...	...	...	Mynensingh.

- G In the interior the prices range as follow :—Wheat 12 to 16 seers, best rice 13 to 14 seers, common rice 15 to 16 seers, and gram 18 to 19 seers.  
H At Nattore the prices are :—Wheat 14½ seers, best rice 10½ seers, common rice 16½ seers, and gram 16½ seers.  
I In the interior the prices range as follow :—Wheat 18 to 20 seers, best rice 16 seers, common rice 18 to 21½ seers, and gram 8 to 16 seers.  
J At Serajgunge the prices are :—Wheat 10½ seers, best rice 7 seers, common rice 15 seers, and gram 13 seers.  
K In the interior the prices range as follow :—Wheat 10 seers, best rice 6 to 13½ seers, common rice 13 to 20 seers, and gram 8 to 11 seers.  
L In the interior the prices range as follow :—Wheat (at Jaffergunge) 16 seers, barley (at Jaffergunge) 20 seers, best rice 10 to 17 seers, common rice 13 to 19 seers, gram 13½ to 18 seers.  
M In the interior the prices range as follow :—Wheat (at Goalundo) 13 seers, barley (at Goalundo) 30 seers, best rice 10 to 13½ seers, common rice 14 to 15 seers, and gram 12 to 13 seers.  
N In the interior the prices range as follow :—Best rice 12 to 13½ seers, common rice 13½ to 15 seers, and gram 11 to 12 seers.  
O In the interior the prices range as follow :—Wheat 13 to 14 seers, best rice 8 to 16 seers, common rice 14 to 20 seers, and gram 8 to 14 seers.

1. **Information:** The information provided in this document is for informational purposes only and does not constitute an offer or recommendation of any financial product or service. It is not intended to be used as a basis for investment decisions. The information is subject to change without notice and may not be applicable to all investors. Please consult your financial advisor for more information.

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† In the interior the price of common rice ranges from 20 to 23 scors.

§ With one meal a day Rs 2-5-0 to

¶ 2½ to 5 annas a day for ticca one

In the interior the prices range as follows:—Wheat 16 to 17 seers, barley 18 to 20 seers, common rice 12½ to 14 seers, and gram 16 to 16½ seers.

In the interior the prices range as follow:—Wheat 11 to 12 seers, barley 10 to 10 seers, best rice 8 to 9 seers, common rice 10 to 13 seers, bulrush millet (at Buxar, 14 seers, gram millet 14 to 15 seers, lesser millets (at Saecia) 10 seers, maize or Indian-corn 15 to 18 seers, and gram 14½ to 16½ seers.

In the interior the prices range as follows:—Wheat 12 to 14 seers, barley 21 to 27 seers, best rice 8 to 9 seers, common rice 11½ to 14 seers, maize or Indian-corn 16 to 18 seers, and gram 16 to 18 seers.

*The 5th February 1878.*

**SUPPLEMENT TO THE CALCUTTA GAZETTE, FEBRUARY 6, 1878.**

*mentioned Districts of Bengal for the Fortnight ending 31st January 1878.—(Continued.)*

THE SEER OF 80 TOLAHS.														AVERAGE WAGES PER MONTH.														DISTRICT
MAIZE OR INDIAN-CORN.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STEER OR HORSE-KEEPER.			COMMON MASON CARPENTER, OR, BLACKSMITH.										
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.								
Eastern Districts—(Co																												
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.							
...	...	...	8 0	10 0	16 0	120 0	120 0	120 0	8 0	8 0	8 0	7 8	7 8	8 0	6 0	6 0	6 0	9 0	9 0	10 0	Chittagong.							
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakhully.							
...	...	...	12 0	12 0	13 8	...	...	...	8 8	8 8	8 12	5 0	6 0	7 0	5 0	6 0	6	7 0	8 0	8 0	Tipperah.							
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15 0	15 0	15 0	Chittagong Hill Tracts.							
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.							
BEHAR.																												
19 0	20 0	40 0	18 0	22 0	23 0	150 0	150 0	140 0	8 0	8 0	8 0	3 0	3 0	3 0	4 0	4 0	4 0	5 10	5 10	5 10	Patna.							
18 0	19 0	37 0	17 8	20 0	18 0	160 0	160 0	160 0	8 0	8 0	8 0	2 12	2 12	2 12	4 0	4 0	4 0	5 0	5 0	5 0	Gya.							
...	...	30 0	18 0	18 0	22 0	160 0	160 0	180 0	8 12	9 0	9 0	3 0	3 0	3 0	4 0	4 0	4 0	5 0	7 0	7 0	Shahabad.							
16 8	19 0	35 8	16 8	17 8	18 0	176 0	176 0	187 0	8 0	8 0	8 12	3 12	3 12	3 0	...	...	...	...	...	...	Durbhunga.							
19 0	18 0	39 0	15 0	15 0	22 0	160 0	160 0	140 0	8 0	8 0	8 0	2 0	4 0	4 0	3 0	3 0	3 0	4 0	4 0	4 0	Mozufferpore.							
16 8	16 0	32 8	16 0	16 0	24 0	160 0	160 0	160 0	8 0	8 8	8 4	3 12	3 12	3 12	4 8	4 8	4 8	10 0	10 0	10 0	Saran.							
18 0	20 0	40 0	17 0	17 0	25 0	...	...	...	7 0	7 0	7 12	2 13	2 13	2 13	4 0	4 0	4 0	5 0	5 0	5 0	Chumparun.							
16 8	17 8	33 8	18 9	16 8	21 0	126 0	126 0	120 0	8 4	8 4	8 4	3 0	3 0	3 0	3 0	3 0	3 0	5 10	5 10	5 10	Monghyr.							
17 11	18 15	31 9	17 11	20 3	17 11	151 9	151 9	151 8	8 3	8 3	8 3	3 0	2 13	2 13	4 0	3 8	4 0	6 0	5 10	5 10	Bhagulpore.							
...	...	...	15 0	14 0	16 0	180 0	160 0	100 0	8 0	8 0	8 0	4 0	3 12	3 12	5 0	5 0	5 0	10 0	9 6	9 6	Purneah.							
25 0	24 0	45 0	16 0	16 0	13 0	80 0	140 0	120 0	8 4	8 0	8 4	...	...	...	...	...	...	...	...	...	Maldah.							
...	22 0	40 0	15 0	16 0	18 0	200 0	240 0	200 6	8 0	8 0	8 0	3 12	3 12	3 12	5 0	5 0	5 0	7 8	7 8	7 8	Sonthal Pergas.							
ORISSA.																												
...	...	...	17 8	18 6	21 0	200 0	200 0	200 0	10 0	10 0	13 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8	7 8	7 8	Cuttack.							
...	...	...	...	...	...	...	...	...	...	...	...	6 0	6 0	3 0	...	...	...	...	...	...	Pooree.							
...	...	...	13 0	11 0	11 0	120 0	120 0	30 0	8 7	8 0	9 0	6 0	3 4	4 8	6 0	6 0	5 0	7 8	6 0	...	Balasore.							
CHOTA NAGPORE																												
South-Western Frontier Agency.																												
17 0	18 0	30 0	17 0	18 0	16 4	240 0	240 0	200 0	8 0	8 0	8 0	4 0	4 0	4 0	5 0	5 0	5 0	8 0	8 0	8 0	Hazareebagh.							
28 0	30 0	...	18 0	18 0	16 0	160 0	160 0	180 0	7 0	7 0	7 8	3 0	3 0	3 8	...	...	...	...	...	...	Lohardugga.							
...	...	...	24 0	26 0	24 0	320 0	320 0	320 0	6 8	6 8	6 8	3 0	3 0	3 0	...	...	...	...	...	...	Singbhoom.							
40 0	40 0	40 0	15 0	16 0	15 0	160 0	160 0	180 0	8 0	8 0	8 0	3 12	3 8	3 8	5 0	5 0	5 0	7 8	7 8	7 8	Manbhoom.							

T In the interior the prices range as follow:—Wheat 12 to 16½ seers, barley 19 to 30 seers, best rice 9 to 11 seers, common rice 12 to 14 seers, lesser mill 24 to 27 seers, maize or Indian-corn 17 to 20½ seers, and gram 14 to 20 seers.

U In the interior the prices range as follow:—Wheat 14½ to 15 seers, barley 19 to 21 seers, best rice 9½ to 12 seers, common rice 13 to 14½ seers, great millet 16 to 16½ seers, lesser millets 20 to 23½ seers, maize or Indian-corn 17 to 21 seers, and gram 17 to 18½ seers.

V In the interior the prices range as follow:—Wheat 15 to 25 seers, best rice 15 to 22 seers, common rice 16 to 24 seers, murwa 25 to 40 seers, and gram 16 seers.

W In the interior the prices range as follow:—Wheat 12 to 21 seers, best rice 13 to 16 seers, common rice 14 to 18 seers, and gram 12 to 17 seers.

X In the interior the prices range as follow:—Wheat 12 to 14 seers, barley (at Godda) 20 seers, best rice 14 to 16 seers, common rice 15 to 17½ seers, maize or Indian-corn 17 to 24 seers, and gram 16 to 20 seers.

Y In the interior the prices range as follow:—Wheat 14 to 16 seers, barley (at Chuttra) 22 seers, best rice (at Chuttra) 10 seers, common rice 14 seers, lesser millets 24 seers, maize or Indian-corn 16 to 20 seers, and gram 18 to 22 seers.

Z At Dalbongunge the prices on the 27th January were—Wheat 16½ seers, best rice 10½ seers, common rice 14 seers, and makai 21 seers. At Lohardugga the prices on the 16th idem were—Wheat 15 seers, best rice 14 seers, and common rice 17 seers.

Z1 In the interior the prices range as follow:—Wheat 10 to 16 seers, best rice 15 to 18 seers, common rice 16 to 24 seers, maize or Indian-corn 40 seers, and gram 18 to 18 seers.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 3 0	3 6 0	...	2 8 0	2 3 0	...	5 8 0	5 11 0	...	3 6 0	3 5 0	...	...	...	...
2	Seraingunge ...	3 8 0	3 8 0	...	...	...	...	5 0 0	4 0 0	...	2 10 0	2 8 0	...	...	...	...
3	Dacca ...	3 3 0	3 3 0	...	1 2 0	1 2 0	...	3 3 0	3 4 0	...	2 6 0	2 6 0	...	...	...	...
4	Naraingunge...	...	...	...	...	...	...	2 13 0	2 10 0	...	2 11 0	2 8 0	...	...	...	...
5	Chittagong ...	...	...	...	...	...	...	4 8 0	3 13 0	...	2 12 0	2 12 0	...	...	...	...
6	Patna ..	2 10 9	2 3 0	...	1 14 3	1 12 0	...	4 0 0	3 12 0	...	2 10 9	2 6 0	...	...	...	...
7	Balasore ...	2 14 0	3 8 0	...	...	...	...	2 13 0	2 13 0	...	2 8 0	2 8 0	...	...	...	...
8	Pooree ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	4 8 0	2 9 0	...	...	...	...	4 2 0	4 2 0	...	2 13 0	2 10 0	...	...	...	...

CALCUTTA,  
The 5th February 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 31st January 1878.

OF 40 SEERS.

GRASS MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN CORN.			GRAM.			FENWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 0	2 8 6	...	...	...	...	3 12 0	3 3 6	...	2 11 0	2 3 6	...	0 7 0	0 7 0	...	4 0 0	4 0 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	...	...	...	...	4 8 0	4 8 0	...	Seraingunge.
...	...	...	...	...	...	...	...	...	8 1 0	3 2 0	...	0 6 0	0 6 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	2 14 0	2 12 0	...	0 10 0	0 9 0	...	4 4 3	4 4 0	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	1 14 3	2 0 0	...	2 3 0	1 13 0	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	3 12 0	3 8 0	...	0 5 6	0 5 0	...	4 12 0	5 0 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	9.	2 9 0	2 0 0	...	...	...	...	2 4 0	2 0 0	...	0 3 0	0 3 0	...	3 12 0	4 8 0	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 13th to 19th Jan. 1878.	Rain from 20th to 26th Jan. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.	Burdwan ...	Nil	Nil	0.03	20th Jan.		
		Cutwa ...	ditto	ditto	0.05	ditto		
		Culina ...	ditto	ditto	Nil	ditto		
		Blood-Blood ...	ditto	ditto	ditto	ditto		
		Raneegunge ...	ditto	ditto	ditto	ditto		
		Jehanabad ...	ditto	ditto	0.35	ditto		
	Bankoora ...	Bankoora ...	ditto	ditto	0.12	ditto		
	Beerbhoom ...	Sooree ...	0.05	ditto	0.11	ditto		
		Hetampore ...	Nil	ditto	Nil	ditto		
		Roypore ...	ditto	ditto	ditto	ditto		
	Midnapore ...	Midnapore ...	ditto	ditto	1.42	ditto		
		Tumlook ...	ditto	ditto	1.05	ditto		
		Ghattal ...	ditto	ditto	1.55	ditto		
	Hooghly ...	Contai... { Dy. Collr.'s Office... Exe. Engr.'s Office	ditto	ditto	0.35	ditto		
		Hooghly ...	Not recd.	Nil	Nil	19th Jan.		
		Serampore ...	ditto	ditto	0.83	20th Jan.		
	Howrah ...	Howrah ...	Nil	ditto	1.05	ditto		
		Malleshreka ...	ditto	ditto	2.05	ditto		
	PRESIDENCY.	CENTRAL DISTRICTS.	Saugor Island ...	ditto	ditto	0.50		ditto
			Alipore ... { Observatory ... Dispensary ... Jail ...	ditto	ditto	Nil		ditto
ditto				ditto	2.80	ditto		
ditto				ditto	2.78	ditto		
Busseerhat ...			ditto	ditto	0.82	ditto		
24-Pergunnahs ...		Barasat ...	ditto	ditto	0.39	ditto		
		Diamond Harbour ...	ditto	ditto	1.11	ditto		
		Barripore ...	ditto	ditto	1.37	ditto		
		Satkhira ...	ditto	ditto	1.14	ditto		
		Barrackpore ...	ditto	ditto	0.83	ditto		
Nuddea ...		Dum-Dum ...	ditto	ditto	1.25	ditto		
		Kishnaghur ...	ditto	ditto	Nil	ditto		
		Hongong ...	ditto	ditto	ditto	ditto		
		Meherpore ...	ditto	ditto	ditto	ditto		
		Chooadanga ...	0.05	ditto	0.65	ditto		
Jessore ...		Kooshitea ...	0.04	ditto	0.10	ditto		
		Ranaghat ...	Nil	ditto	Nil	ditto		
		Jessore ...	ditto	ditto	0.57	ditto		
		Narail ...	ditto	ditto	0.41	ditto		
		Khoolna ...	ditto	ditto	0.98	ditto		
Moorshedabad ...	Jhenida ...	ditto	ditto	0.50	ditto			
	Bagurhat ...	ditto	ditto	0.10	ditto			
	Magoorah ...	ditto	ditto	0.75	ditto			
	Berhanpore ...	0.09	ditto	0.09	ditto			
	Banpore Haut ...	0.10	ditto	0.14	ditto			
Dinagopore ...	Lalibagh ...	Nil	ditto	Nil	ditto			
	Jungypore ...	0.17	ditto	0.17	ditto			
	Azingunge ...	Nil	ditto	Nil	ditto			
	Lalligolla ...	0.10	ditto	0.10	ditto			
	Kandee ...	Nil	ditto	Nil	ditto			
Maldah ...	Dinagopore ...	ditto	ditto	ditto	ditto			
	Raigunge ...	ditto	ditto	ditto	ditto			
	Maldah ...	ditto	ditto	ditto	ditto			
	Chanchal ...	ditto	ditto	ditto	ditto			
	Banleah ...	ditto	ditto	ditto	ditto			
Rajshahye ...	Nattore ...	ditto	ditto	ditto	ditto			
	Rungpore ...	ditto	ditto	ditto	ditto			
	Bhabanigunge ...	ditto	ditto	ditto	ditto			
	Kurigram ...	ditto	ditto	ditto	ditto			
	Bagdogra ...	ditto	ditto	ditto	ditto			
RAJSHAHY.	Bogra ...	Bogra ...	ditto	ditto	ditto	ditto		
		Sherpore ...	ditto	ditto	ditto	ditto		
		Nowkhilla ...	ditto	ditto	ditto	ditto		
		Panchabibi ...	ditto	ditto	ditto	ditto		
		Halulya ...	Not recd.	Not recd.	ditto	5th Jan.		
COCH BEHAR.	Pubna ...	Pubna ...	Nil	Nil	0.03	20th Jan.		
		Serajunge ...	0.10	ditto	0.10	ditto		
		Darjeeling ...	Darjeeling... { Telegraph Office ... Hospital ...	0.37	Not recd.	0.37	19th Jan.	
				0.37	Nil	0.37	26th Jan.	
		Julpigoree ...	Julpigoree ...	Nil	ditto	Nil	ditto	
Bodah ...	ditto		ditto	ditto	ditto			
Buxa—Civil Surgeon's Office	ditto		0.33	0.33	ditto			
Cooch Behar Tribu- tary States.	Titalya ...	ditto	Nil	Nil	ditto			
	Cooch Behar ...	ditto	ditto	ditto	ditto			

DIVISION.	DISTRICTS.	STATIONS.	Rain from 13th to 19th Jan. 1878.	Rain from 20th to 26th Jan. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.			
			Inches.	Inches.	Inches.	Up to date.				
BENGAL—continued.										
Dacca.	EASTERN DISTRICTS.	Dacca... { Telegraph Office... Hospital	Nil ditto	Not recd. Nil	0.48 0.73	19th Jan. 20th Jan.	Not received 6th to 19th Jan. Ditto ditto. Ditto ditto. Ditto ditto.			
		Moonasheegunge ... Manickgunge ...	ditto ditto	ditto ditto	0.88 0.33	ditto ditto				
		Furreedpore ... Goulundo ... Madaripore ...	ditto ditto ditto	ditto ditto ditto	Nil 0.78 0.62	ditto ditto ditto				
		Backergunge ... Burrial ... Perozepore ... Patoakhally ... Bhola ...	Not recd. ditto ditto ditto ditto	ditto ditto ditto ditto ditto	0.63 0.55 0.30 0.38	ditto ditto ditto ditto ditto				
		Mymensingh ... Jamalpoore ... Atia ... Kishoregunge ...	Nil ditto ditto ditto	ditto ditto ditto ditto	Nil ditto ditto 0.68	ditto ditto ditto ditto				
		CHITTAGONG.	Chittagong { Telegraph Office Jail	ditto ditto	ditto ditto	Nil 0.26 Nil		ditto ditto ditto		
			Cox's Bazar ...	ditto	ditto					
			Nonkhally ... Fenny ...	ditto ditto	ditto ditto	1.19 2.48		ditto ditto		
			Tipperah ... Comillah ... Brnhmunbariah ...	ditto ditto ditto	ditto ditto ditto	0.90 1.43		ditto ditto ditto		
			Chittagong Tracts. Hill Tipperah	Hill Rungamates Hill... Hill Tipperah	ditto ditto	ditto ditto		0.52 0.62	ditto ditto	
			BEHAR.							
			PATNA.	Patna ... Patna ... Behar ... Barh ... Dinapore ... { Jail Cantonment...	0.26 0.03 Nil Not recd. 0.28	ditto ditto ditto Not recd. Nil		0.76 0.58 0.45 0.69 0.97	ditto ditto ditto 13th Jan. 26th Jan.	
					Gya ... Nowadah ... Anrungalabad ... Jehanabad ...	0.63 0.21 0.80 0.35		ditto ditto ditto ditto	0.83 1.42 0.84 1.78	ditto ditto ditto ditto
		Shahabad ... Arrah ... Sasseram ... Buxar ... Bhubooah ...			0.43 0.34 0.61 2.00	ditto ditto ditto ditto		1.38 0.80 2.03 2.80	ditto ditto ditto ditto	
Mozufferpore ... Hajepore ... Seotamurhee ...	0.22 0.23 0.21	ditto Not recd. Nil			0.22 0.66 0.21	ditto 19th Jan. 26th Jan.				
Durbhunga ... Durbhunga ... Tajpore ...	0.16 0.18 Nil	0.44 Nil ditto		0.60 0.18 Nil	ditto ditto ditto					
	Sarna ... Sarna ...	0.36 0.80		ditto ditto	0.60 0.90	ditto ditto				
		Chumparun ... Chumparun ... Segowlie ...		0.12 0.20 Not recd.	ditto ditto ditto	0.20 0.20 Nil	ditto ditto ditto			
Monghyr ... Monghyr ... Jamoore ...	0.01 Nil 0.05			ditto ditto ditto	0.09 0.13 0.82	ditto ditto ditto				
	Bhagulpore ... Bhagulpore ... Muddelpoora ... Banka ... Sonbursa ...			Nil ditto 0.30 0.20 Nil	ditto ditto ditto ditto ditto	0.21 Nil 0.30 0.20 Nil	ditto ditto ditto ditto ditto			
		Purneah ... Purneah ... Arrareah ...		ditto ditto ditto	ditto ditto ditto	ditto ditto ditto	ditto ditto ditto			
Sonthal Pergunnahs... Sonthal Pergunnahs... Deoghur ... Godda ...				0.17 Nil 0.58 Nil	ditto ditto ditto ditto	0.37 Nil 0.58 Nil	ditto ditto ditto ditto			

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 18th to 19th Jan. 1878.	Rain from 20th to 26th Jan. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	26th Jan.		
		... { Hospital	ditto	ditto	0.12	ditto		
		Jajpore	ditto	ditto	Nil	ditto		
		Kendraparah	ditto	0.30	0.30	ditto		
		Jagatsingapore	ditto	Nil	Nil	ditto		
		False Point	ditto	0.20	0.20	ditto		
		Pooree	Pooree	ditto	Nil	Nil		ditto
			Khurdah	0.07	ditto	0.07		ditto
		Balasore	Balasore... Collector's Office	Nil	ditto	0.50		ditto
			Bhadrack	ditto	0.05	Nil		ditto
	Jellasore		ditto	Nil	0.88	ditto		
	Sorah		ditto	ditto	Nil	ditto		
	Chandbally		ditto	0.20	0.20	ditto		
	Cuttack Tributary	Sumbalpor	ditto	Not recd.	Nil	19th Jan.		
	Mehala.							
	CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.							
	Hazareebagh	Hazareebagh... { Jail	0.03	Nil	0.03	26th Jan.		
		... { Dispensary	0.03	ditto	0.03	ditto		
	Lohardugga	Pachamba	0.16	ditto	0.20	ditto		
		Ranchee	Nil	Not recd.	Nil	19th Jan.		
	Singbhoom	Palamow	0.08	ditto	0.08	ditto		
		Chyebassa	0.13	Nil	0.78	26th Jan.		
	Manbhoom	Purulia	0.14	ditto	0.14	ditto		
		Goviadpor	Not recd.	ditto	0.09	ditto		
	ASSAM & ADJACENT HILLS.							
Sylhet	Sylhet	Nil	ditto	0.10	ditto			
Sibsagar	Sibsagar	0.34	Not recd.	0.38	19th Jan.			
	Golaghat	0.44	ditto	0.67	ditto			
	Jorhat	0.01	ditto	0.01	ditto			
Rajpootana	Akyab	Nil	Nil	Nil	26th Jan.			
	Alwar	ditto	ditto	ditto	ditto			
	Jaipur	ditto	0.39	0.39	ditto			
	Sambhar	ditto	0.10	0.10	ditto			

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 2nd February 1878.

Meteorological Telegraphic Report for the period 27th January to 2nd Feb. 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPOR.	Jan. 27th	10	30.070	30.092	75.1	70.0	77	S W by W	3.2	.....	FK	b
	16	29.927	29.949	73.0	69.0	53	W S W	7.2	.....	.....	CS	c
	28th	10	30.036	30.058	75.6	69.0	69	S W	4.8	.....	.....	b
	16	29.926	29.948	82.1	70.1	52	S S W	9.5	.....	.....	K	c
	29th	10	30.074	30.096	75.6	71.1	79	W	1.8	.....	CK, FK	c
	16	29.946	29.968	81.6	69.2	50	W	6.8	.....	.....	K, CS	c
	30th	10	30.143	30.164	70.0	64.5	73	N E by N	7.7	.....	P	a, g
	16	30.036	30.058	73.9	68.2	74	N by W	7.0	.....	.....	K	c
	31st	10	30.125	30.147	69.2	60.1	56	N by E	7.2	.....	C	c
	16	30.007	30.029	76.9	65.0	49	N E by N	6.3	.....	.....	P	a, g
	Feb. 1st	10	30.115	30.137	68.0	61.5	97	E by N	6.8	.....	P	a, g
	16	30.031	30.053	67.7	60.0	62	N by E	6.8	.....	.....	P	a, g
SAUGOR ISLAND.	2nd	10	30.120	30.143	70.4	63.5	66	N E by E	.....	0.2	.....	b
	16	29.980	30.002	78.0	68.3	51	W by N	.....	.....	.....	.....	b
	Jan. 27th	10	30.074	30.080	77	71	73	S	6.1	.....	PK	b, m
	16	29.944	29.950	78	71	70	S	10.3	.....	.....	.....	b, m
	28th	10	30.051	30.057	77	71	73	S S W	9.1	.....	.....	b, m
	16	29.945	29.951	79	73	74	S	12.8	.....	.....	.....	b, m
	29th	10	30.074	30.090	78	73	78	S W	4.2	.....	PK	b, m
	16	29.976	29.982	81	75	74	W S W	7.1	.....	.....	C	b, m
	30th	10	30.128	30.134	75	69	72	N E	6.4	.....	C, PK	i, m, f
	16	30.031	30.037	76	70	73	N N W	13.1	.....	.....	C	b, m
	31st	10	30.118	30.124	72	64	62	N	6.4	.....	PK	b, m
	16	29.999	30.005	78	68	58	N	11.4	.....	.....	.....	b, m
CHITTAGONG.	Feb. 1st	10	30.092	30.098	75	66	60	N E	6.3	.....	C	b, m
	16	30.021	30.027	72	65	67	N	10.6	.....	.....	P	b, m
	2nd	10	30.112	30.118	74	65	59	N E	6.6	.....	.....	m, o
	16	29.982	29.988	80	70	58	N N E	6.9	.....	.....	.....	b, m
	Jan. 27th	10	29.984	30.079	70	68	60	N N E	3.1	.....	.....	b, m
	28th	10	29.982	30.077	71	62	59	N	2.7	.....	.....	b, m
	29th	10	29.996	30.091	70	67	65	N	1.9	.....	CK	b, m
	30th	10	30.018	30.112	76	69	69	N E	2.8	.....	.....	b, m
	31st	10	30.028	30.122	75	65	56	N	4.9	.....	CS	b, m
	Feb. 1st	10	30.022	30.117	72	62	54	N N E	4.8	.....	.....	b, m
	2nd	10	30.011	30.106	75	62	44	N	3.1	.....	.....	b, m
	16	30.088	30.090	75	65	58	N E	1.5	.....	.....	.....	b
ARAB.	28th	10	30.081	30.103	71	63	57	N E	2.2	.....	C	.....
	29th	10	30.098	30.120	73	65	63	N E	1.1	.....	C	.....
	30th	10	.....	.....	.....	.....	.....	Not received.	.....	.....	.....	.....
	31st	10	30.088	30.110	83	68	43	E	3.0	.....	.....	b
	Feb. 1st	10	30.087	30.109	79	65	43	N	1.6	.....	.....	b
	2nd	10	30.080	30.112	77	66	53	N N E	1.7	.....	.....	b
	Jan. 27th	10	29.986	30.079	80	71	62	S S W	2.4	.....	CK, C	.....
	28th	10	29.986	30.080	79	70	61	S	1.3	.....	CK, C	.....
	29th	10	29.993	30.076	79	71	66	W S W	2.5	.....	C, CK, C	.....
	30th	10	30.056	30.130	80	71	62	N	2.1	.....	C, CK	.....
	31st	10	30.023	30.106	81	70	56	E N E	2.0	.....	C	.....
	Feb. 1st	10	29.991	30.074	80	70	58	E	2.6	.....	K, CK	.....
CUTTACK.	2nd	10	30.041	30.124	79	69	55	N E	3.5	.....	C, PK	.....
	Jan. 27th	10	30.058	30.073	76	71	77	S S W	3.7	.....	K, PK, C	.....
	28th	10	30.058	30.073	79	70	61	S S W	4.0	.....	C	.....
	29th	10	30.076	30.091	80	72	66	S S W	2.9	.....	C	.....
	30th	10	30.126	30.141	80	72	66	N E	3.1	.....	C, CK	.....
	31st	10	30.105	30.120	78	71	70	N E	5.5	.....	C, K	.....
	Feb. 1st	10	30.085	30.100	80	71	62	E S E	5.0	.....	.....	.....
	2nd	10	30.108	30.123	76	70	73	N E	7.0	.....	.....	.....
	Jan. 27th	10	30.033	30.055	79	70	61	E by S	1.6	.....	.....	b
	28th	10	30.043	30.075	79	70	61	S	1.2	.....	.....	b
	29th	10	30.050	30.082	80	71	62	S	1.7	.....	.....	b
	30th	10	30.096	30.128	80	70	68	E by S	1.4	.....	.....	b
VIRAGAPATAM.	31st	10	30.073	30.105	79	72	70	E	1.5	.....	.....	b
	Feb. 1st	10	30.060	30.092	80	71	62	S E by S	1.5	.....	.....	.....
	2nd	10	30.077	30.109	80	71	62	E by S	1.2	.....	.....	.....
	Jan. 26th	10	30.120	30.142	85	75	61	E N E	9	.....	.....	c
	16	29.986	30.009	82	78	75	E by N	9	.....	.....	.....	c
	27th	10	30.051	30.074	83	73	60	E N E	2	.....	.....	b, c
	16	29.914	29.937	84	74	60	E by N	8	.....	.....	.....	b
	28th	10	30.050	30.073	82	73	63	E by N	4	.....	.....	c
	16	29.912	29.935	83	74	63	E S E	9	.....	.....	.....	b, c
	29th	10	30.056	30.059	81	74	60	E S E	5	.....	.....	b, c
	16	29.934	29.957	84	74	60	E S E	9	.....	.....	.....	b, c
	30th	10	30.076	30.099	85	75	61	E S E	6	.....	.....	b, c
MADRAS.	16	29.967	29.990	84	74	60	E S E	6	.....	.....	.....	b, c
	31st	10	30.070	30.093	84	73	57	E S E	7	.....	.....	b, c
	16	29.943	29.965	82	72	60	E S E	7	.....	.....	.....	b, c
	Feb. 1st	10	30.049	30.072	85	73	60	E S E	6	.....	.....	b
	16	29.914	29.937	83	74	63	E by S	7	.....	.....	.....	c
	Jan. 27th	10	29.940	29.981	84	78	75	N	6.2	.....	.....	b
	28th	10	29.968	30.008	85	78	72	S E	4.0	.....	C	.....
	29th	10	29.948	29.989	83	78	79	S W	1.3	.....	C	.....
	30th	10	29.960	30.001	82	77	79	N	3.8	0.60	C	.....
	31st	10	29.968	30.004	83	77	75	N	10.2	.....	C	.....
	Feb. 1st	10	29.988	29.979	82	77	79	N	2.9	.....	C	.....
	2nd	10	29.938	29.969	83	77	75	N	7.3	.....	C	.....
COLOMBO.	Jan. 27th	10	29.940	29.981	84	78	75	N	6.2	.....	.....	b
	28th	10	29.968	30.008	85	78	72	S E	4.0	.....	C	.....
	29th	10	29.948	29.989	83	78	79	S W	1.3	.....	C	.....
	30th	10	29.960	30.001	82	77	79	N	3.8	0.60	C	.....
	31st	10	29.968	30.004	83	77	75	N	10.2	.....	C	.....
	Feb. 1st	10	29.988	29.979	82	77	79	N	2.9	.....	C	.....
	2nd	10	29.938	29.969	83	77	75	N	7.3	.....	C	.....
	Jan. 27th	10	29.940	29.981	84	78	75	N	6.2	.....	.....	b
	28th	10	29.968	30.008	85	78	72	S E	4.0	.....	C	.....
	29th	10	29.948	29.989	83	78	79	S W	1.3	.....	C	.....
	30th	10	29.960	30.001	82	77	79	N	3.8	0.60	C	.....
	31st	10	29.968	30.004	83	77	75	N	10.2	.....	C	.....

\* Velocity of wind in miles per hour.

Results of the Meteorological Observations taken at the Alipore Observatory from 27th January to 2nd February 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° F. alt.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches.	
Jan.	27th	137.3	29.081	70.4	81.4	21.2	60.2	66.3	0.594	63.8	80	S and S W ...	108	Nil	Partially cloudy till 4 P.M., evening and night clear, o and w.
"	28th	137.8	.905	71.0	83.5	20.9	62.6	67.2	.605	64.4	77	S, W S W and S S W.	136	"	Chiefly clear, and w.
"	29th	140.0	30.010	72.2	81.7	18.6	63.1	67.7	.610	65.0	78	Till 4 P.M. W through S W, till midnight N E by N through N W & N.	91	"	Partially cloudy till evening, night clear, f and w.
"	30th	97.2	.059	68.2	74.1	10.1	64.0	65.0	.579	63.1	85	N E by N & N by W.	129	"	Partially cloudy till 4 P.M., evening and night clear, d at noon, o, g, f, and w.
"	31st	130.7	.049	68.3	77.1	15.6	61.5	62.2	.481	57.8	70	Till 8 P.M. N E through N, till midnight E by N through N E.	112	"	Morning partially cloudy, evening and night clear, o and w.
Feb.	1st	96.5	.064	64.1	70.6	11.1	59.5	61.4	.510	59.5	85	Till 4 P.M. N by E through E & N E, till 9½ P.M. W through N & N W, till midnight S E through N & E.	111	"	Cloudy, w, o, g, d, and p.
"	2nd	135.8	.042	66.7	78.0	22.0	59.0	62.7	.518	60.0	79	Till noon N E by N through S, W & N till midnight W by N through N & N W.	80	0.02	Clear, f and w.

The mean pressure of the seven days	...	...	Inches.
The average pressure of the corresponding period for 25 years	...	...	30.024
The mean temperature of the seven days	...	...	☉
The average temperature of the corresponding period for 25 years	...	...	68.8
The extreme variation of temperature during the seven days	...	...	69.0
The maximum temperature during the seven days	...	...	27.5
	...	...	83.5
The mean relative humidity during the seven days	...	...	%
The average relative humidity of the corresponding period for 25 years	...	...	79
	...	...	71
The total fall of rain from 27th January to 2nd February 1878	...	...	Inches.
The average fall of the corresponding period for 25 years	...	...	0.02
The total fall from 1st January to 2nd February 1878	...	...	0.26
The average fall of the corresponding period for 25 years	...	...	0.02
	...	...	0.56

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h. and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

w Dew, f foggy, o overcast, g gloomy, d drizzling, p passing temporary showers.

\* Fell at 12-45 P.M. of the 1st

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA,  
The 4th February 1878.

Report of Fluctuation of Traffic on the Tirhoot State Railway for the Month of November 1877.

TIRHOOT STATE RAILWAY.

DECREASE.					
Rice ... ..	...	...	...	Mds	5 042
Decrease owing to demand lessening in Chumparun.	...	...	...	..	4,023
Pulse .. ..	...	...	...	..	315
Decrease due to depressed state of market.	...	...	...	..	...
Oil-seeds .. ..	...	...	...	..	...
Decrease due to no demand upward.	...	...	...	..	...
INCREASE.					
Rice ... ..	...	...	...	..	7,256
Increase due to new crop and through booking with East Indian Railway.	...	...	...	..	3,927
Other food-grains ..	...	...	...	..	367
Due to good harvest and through booking with East Indian Railway.	...	...	...	..	1,350
Salt .. ..	...	...	...	..	14,336
Due to through booking with East Indian Railway.	...	...	...	..	...
Piece-goods, English ..	...	...	...	..	...
Due to through booking with East Indian Railway	...	...	...	..	...
Oil-seeds .. ..	...	...	...	..	...
Increase due to through booking with East Indian Railway.	...	...	...	..	...
Staples.					
	Increase.		Decrease.		Total.
	Up. Mds.	Down. Mds.	Up. Mds.	Down. Mds.	Increase. Mds. Decrease. Mds.
Rice ... ..	...	7,256	5,042	...	7,256 5,042
Pulse .. ..	...	...	2,134	1,889	...
Other food-grains ..	618	3,309	...	...	3,927
Salt .. ..	367	...	...	...	367
Piece-goods, English ..	1,350	...	...	...	1,350
Oil-seeds .. ..	...	14,336	315	...	14,336 315

J. L. O'CALLAGHAN, Engineer-in-Chief, Tirhoot State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 26th January 1878 on 1,279 1/2 miles open.

	COACHING TRAFFIC.						MERCHANDISE AND MINERAL TRAFFIC.						TRAIN MILES RCK.			
	No. of passengers.	Coaching receipts.				Weight carried.	Receipts.				TOTAL TRAFFIC RECEIPTS.	Coaching.	Merchandise.	Total		
		Rs.	A. P.	£	s. d.	Mds. S.	Rs.	A. P.	£	s. d.	Rs.				A. P.	
Total traffic for the week ...	130,230 1/2	188,449	3 9	17,274	10 3	16,56,460	0	6,20,019	5 6	50,837	17 2	8,08,498	9 3	45,562	111,867 1/2	157,4
Or per mile of railway ...	...	147	4 1	13	10 0	...	...	484	8 1	41	8 3	631	12 2	...	...	...
For previous 3 weeks of half-year	318,100	4,71,081	8 6	43,237	15 0	37,92,113	0	14,07,085	2 3	134,537	16 1	19,39,369	10 8	126,357 1/2	286,620 1/2	412,0
Total for 4 weeks ...	418,389 1/2	6,60,133	12 3	60,519	5 3	54,48,573	30	20,87,734	7 9	191,373	13 3	27,47,808	4 0	171,919 1/2	398,409 1/2	570,4
COMPARISON.																
Total for corresponding week of previous year ...	130,343	1,88,705	8 11	17,208	0 2	13,20,321	20	5,84,286	14 0	53,559	13 9	7,72,992	7 8	50,969	100,430	151,3
Per mile of railway, corresponding week of previous year ...	.....	147	7 3	13	10 4	.....	.....	456	9 0	41	17 0	604	0 3	.....	.....	.....
Total to corresponding date of previous year ...	532,408	10,56,101	2 3	96,809	5 5	49,34,078	10	20,13,801	0 9	184,003	18 7	30,60,962	3 0	218,560	382,730	601,2

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 26th January 1877 on 223 1/2 miles open.

		Rs. A. P.	£ s. d.	Mds. S.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	6,536	22,299 2 0	2,044 1 10	1,84,278 30	50,080 0 0	5,110 13 4	78,379 2 0	4,651	10,070 1/2	15,61
Or per mile of railway ...	...	99 10 7	9 2 8	...	250 10 2	23 19 0	350 4 9	...	...	...
For previous 3 weeks of half-year	19,273	67,448 13 6	5,266 2 10	4,54,332 20	1,23,441 2 0	11,315 8 9	1,80,889 15 6	13,090 1/2	30,214 1/2	43,36
Total for 4 weeks ...	25,809	79,748 0 0	7,310 4 8	6,18,611 10	1,79,521 2 0	18,456 2 1	2,30,249 2 0	17,741 1/2	41,100 1/2	58,93
COMPARISON.										
Total for corresponding week of previous year ...	7,476 1/2	22,755 10 0	2,085 18 8	2,27,532 20	58,228 1 0	5,337 11 5	80,943 11 0	5,423	13,736	19,18
Per mile of railway, corresponding week of previous year ...	...	101 11 3	9 6 6	...	260 3 9	23 17 1	361 15 0	...	...	...
Total to corresponding date of previous year ...	35,936	1,79,851 5 5	16,486 7 6	8,36,604 20	3,15,193 9 0	19,725 19 8	3,96,043 14 5	24,423	60,492	84,99

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 26th January 1878 on 28 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.	
		Rs. A. P.	£ s. d.	Mds. S.	Rs. A. P.	£ s. d.	£ s. d.	
Total traffic for the week ...	9,359	1,088 0 0	100 16 0	28,040 0	972 0 0	97 4 0	267 0 0	
Or per mile of railway ...	334	60 8 0	6 1 0	...	1,022 0	34 8 0	3 9 0	
For previous 3 weeks of half-year	23,131	4,199 0 0	419 18 0	52,715 0	1,947 0 0	193 14 0	613 13 0	
Total for 4 weeks ...	32,490	5,997 0 0	589 14 0	81,355 0	2,909 0 0	270 18 0	880 12 0	
COMPARISON.								
Total for corresponding week of previous year ...	11,027 1/2	1,683 4 0	158 6 6	18,966 25	658 15 9	65 18 0	224 4 0	
Per mile of railway, corresponding week of previous year ...	393	56 8 8	5 13 1	677 15	23 8 6	2 7 0	8 0 0	
Total to corresponding date of previous year	41,506 1/2	5,696 7 6	568 12 11	60,522 36	2,141 14 1	214 8 9	782 16 0	

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 19th January 1878 on 79 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts				
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.	£ s. d.		
tal traffic for the week ... ..	7,120	3,340 14 0	344 1 9	38,050 0	3,505 10 0	150 11 3	484 13 0		
per mile of railway ... ..	90	42 4 0	4 4 6	491 0	44 8 0	4 9 0	8 13 6		
r previous 2 weeks of half-year ... ..	12,470	6,530 8 0	653 1 0	36,230 0	4,985 8 0	408 11 0	1,161 12 0		
Total for 3 weeks ... ..	19,590	9,871 6 0	987 2 9	75,280 0	8,491 2 0	640 2 3	1,036 5 0		
COMPARISON.									
tal for corresponding week of previous year, opened 46½ miles ... ..	2,128	1,032 13 6	103 5 8	10,586 20	748 7 6	74 16 10	178 2 6		
r mile of railway, corresponding week of previous year ... ..	52	21 4 0	2 2 6	220 0	15 2 0	1 10 3	3 12 9		
tal to corresponding date of previous year ... ..	7,042½	2,877 13 3	287 15 7	37,247 20	2,717 8 6	271 4 11	559 10 6		

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 26th January 1878 on 79 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
tal traffic for the week ... ..	7,560	3,740 10 0	374 1 3	23,025 0	2,856 4 0	285 12 6	369 13 9
per mile of railway ... ..	90	47 5 0	4 14 6	291 0	36 2 0	3 12 3	8 6 9
r previous 3 weeks of half-year ... ..	19,590	9,971 6 0	997 2 9	75,280 0	8,491 2 0	649 2 3	1,036 5 0
Total for 4 weeks ... ..	27,150	13,612 0 0	1,361 4 0	98,305 0	11,347 6 0	934 14 9	2,295 18 9
COMPARISON.							
tal for corresponding week of previous year, opened 46 miles ... ..	2,295	940 14 3	94 1 9	16,373 0	996 14 0	90 13 9	193 15 6
per mile of railway corresponding week of previous year ... ..	50	20 6 0	2 0 9	355 0	21 10 0	2 3 3	4 4 0
tal to corresponding date of previous year ... ..	9,337½	3,818 11 6	381 17 4	53,020 20	3,714 6 6	370 18 8	762 16 0

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 26th January 1878 on 158½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
tal traffic for the week ... ..	44,897½	29,371 9 9	2,932 7 11	2,05,344 33	62,709 9 11	5,748 7 8	8,440 15 7
per mile of railway ... ..	284	185 9 7	17 0 3	1,297 34	396 4 4	36 6 6	53 6 9
r previous 3 weeks of half-year ... ..	93,178	67,086 9 3	6,149 12 1	4,72,876 38	1,17,937 7 8	10,810 18 9	16,060 10 10
Total for 4 weeks ... ..	1,40,003½	90,458 3 0	8,812 0 0	6,78,261 31	1,80,647 1 7	16,559 6 5	25,401 6 5
COMPARISON.							
tal for corresponding week of previous year, opened 46 miles ... ..	44,884½	29,338 4 1	2,933 19 6	1,76,463 38	40,719 3 8	3,732 11 11	6,426 10 5
r mile of railway, corresponding week of previous year ... ..	284	185 11 4	17 0 5	1,115 4	257 4 11	23 11 9	40 12 2
tal to corresponding date of previous year ... ..	1,38,221½	95,629 14 6	8,766 1 5	6,91,204 38	1,49,042 10 8	13,717 5 0	22,483 6 5

NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd February 1878 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. Srs.	Rs. A. P.	£ s. d.	£ s. d.
tal traffic for the week ... ..	2,498	1,041 0 0	104 2 0	16,100 0	1,083 0 0	108 6 0	212 8 0
per mile of railway ... ..	91	39 0 0	3 16 0	591 0	39 8 0	3 19 0	7 15 0
r previous 4 weeks of half-year ... ..	8,435	3,809 0 0	330 18 0	68,433 0	3,440 0 0	344 0 0	724 18 0
Total for 5 weeks ... ..	11,343	4,950 0 0	495 0 0	84,533 0	4,523 0 0	452 6 0	937 6 0
COMPARISON.							
tal for corresponding week of previous year, opened 46 miles ... ..	3,005½	1,443 12 9	144 7 7	7,197 3	543 11 3	54 7 5	198 15 0
r mile of railway, corresponding week of previous year ... ..	112	52 15 9	5 5 11	264 4	19 15 1	1 19 11	7 5 10
tal to corresponding date of previous year ... ..	11,701	5,315 2 3	531 10 3	45,822 16	3,201 6 3	320 2 10	864 13 1

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 19th January 1878 on 134½ miles open.

	No.	Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
tal traffic for the week ... ..	4,496	1,756 8 3	175 13 0	3,400 20	487 13 3	48 15 8	224 8 8
per mile of railway ... ..	33	13 1 8	1 6 2	26 4	3 10 2	0 7 3	3 5
r previous 2 weeks of half-year ... ..	3,618½	1,958 0 9	195 16 0	10,294 20	1,331 12 0	133 3 7	328 19 7
Total for 3 weeks ... ..	8,114½	3,714 9 0	371 9 0	13,794 0	1,819 9 3	181 19 3	553 8 3
COMPARISON.							
tal for corresponding week of previous year, opened 46 miles ... ..	.....	.....	.....	.....	.....	.....	.....
r mile of railway, corresponding week of previous year ... ..	.....	.....	.....	.....	.....	.....	.....
tal to corresponding date of previous year ... ..	.....	.....	.....	.....	.....	.....	.....



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY. FEBRUARY 13, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 2nd February 1877.*

### Present:

MIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *Presiding*,  
The Hon'ble H. J. REYNOLDS,  
The Hon'ble A. MACKENZIE,  
The Hon'ble S. C. BAYLEY,  
The Hon'ble H. T. PRINSEP,  
The Hon'ble BABOO RAM SHUNKER SEN, RAI BAHADOOR,  
The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR.  
The Hon'ble NAWAB MEER MAHOMED ALI,  
The Hon'ble H. F. BROWN,

and

The Hon'ble RAJA PRAMATHA NATHA ROY, BAHADOOR.

## CONSOLIDATION OF THE LAW RELATING TO THE EXCISE REVENUE.

The HON'BLE MR. REYNOLDS moved for leave to bring in a Bill to consolidate the law relating to the Excise Revenue in the Presidency of Fort William in Bengal. He said, it would be in the recollection of hon'ble members that



the question of the consolidation of the Excise Law was under the consideration of the Council last year, and that eventually a Bill was passed and submitted for the approval of the Governor-General. The Governor-General, however, considered it necessary to withhold his assent from the Bill, as he was advised that the Bill as passed by the Council interfered with the jurisdiction of the High Court and the Small Cause Court, and that it was not within the competence of this Council to pass such a Bill. The offending section was merely a reproduction of section 8 of Bengal Act II of 1876; it was based on the English Tippling Act, and prohibited the recovery of petty debts on account of liquors and drugs by action in the civil courts. This provision of law was found to work exceedingly well in England, and he believed it would operate beneficially in Calcutta. But there was no doubt that the section as it stood did interfere with the jurisdiction of the Small Cause Court, and might interfere with the jurisdiction of the High Court. The only excuse the Council could have was that the section was originally suggested to them by a Judge of the Small Cause Court, and that the measure itself merely reproduced a section of the existing law of the land at the present moment. However, the Bill having been vetoed, the opportunity had been taken not only to remove the offending section, but also to make some changes in the arrangement of the Bill and to introduce a few alterations. If the Council would be pleased to grant him leave to introduce the Bill, he hoped to be able to bring in the Bill at the next meeting of the Council.

The motion was agreed to.

#### POWERS OF SETTLEMENT OFFICERS AS TO ENHANCEMENT OF RENT.

The HON'BLE MR. REYNOLDS moved that the Report of the Select Committee on the Bill to define and limit the powers of Settlement Officers in respect to the enhancement of rent be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee. The report had been circulated and published, and it explained the object and intention of the Bill. In section 3 the Committee considered that the words as they stood in the original draft regarding "the superior Revenue authorities" were perhaps ambiguous, and they thought it desirable to introduce words which should distinctly recognise the practice by which the Government from time to time prescribed who should be the authority empowered to sanction settlement proceedings. Perhaps it would be convenient that he should state somewhat more fully how the matter stood. As far as he was aware, there was no provision of law which prescribed who should be the authority to sanction settlement proceedings. Of course in settlement cases, as in other cases, an appeal was allowed from the Collector to the Commissioner, from the Commissioner to the Board of Revenue, and from the Board to the Government; but in cases which were not appealed, the power to sanction the settlement depended not upon any express provision of law, but on the executive orders of the Government. Up to the year 1871, the rule in this matter was that the Collector had power to sanction all settlements in which the revenue did not exceed Rs 500, and that settlements involving a revenue above that amount must be sanctioned by the Commissioner of the Division. Sir George Campbell was dissatisfied with that procedure, and considered that in some cases settlement proceedings had been somewhat hastily conducted, and due care had not been taken to preserve the rights of the ryots. He therefore directed that the power to sanction settlements should be withdrawn from the local officers, and that even the Board of Revenue should only possess a power of provisional sanction, and he desired that all settlements should be referred for final sanction to the Government. That practice continued in force for about three years; but in 1874 Sir Richard Temple considered that the principles which Sir George Campbell desired to establish were fully understood, and that it was unnecessary that the Government should take the trouble to look into the details of every settlement, however petty. Accordingly he directed that the power of sanctioning settlements up to a revenue of Rs. 2,000 should rest with the Commissioner of the Division, and that settlements above Rs. 2,000 and not exceeding Rs. 25,000 should be confirmed

by the Board of Revenue. Settlements above Rs. 25,000, and all settlements in which a permanent settlement was proposed, were to be submitted as before for the final sanction of the Government. That was the rule at present in force, and it seemed desirable, in framing this Bill, that it should be provided that the Revenue authorities from time to time empowered by the local Government should be the authorities recognized as authorized to confirm settlements.

In section 4 the Committee had attempted to deal with a difficulty felt by every zemindar who brought an enhancement suit, namely the service of the notice required by law. Whatever other pleas might be urged by the defendant in an enhancement case, there was one regular stereotyped objection taken by the ryot, that notice of enhancement had not been served. The utmost publicity, the Committee thought, should be given to the rates fixed by Settlement Officers; but at the same time there should be no room given for frivolous and technical objections. They provided for a personal notice, but at the discretion of the Collector personal and individual notices might be dispensed with, and a general notice served on the village by the old and well-established practice by beat of drum, which was found to be the means of giving fuller and better information than the mere sticking up of a paper; and if this notice was served by beat of drum, and also stuck up in a conspicuous place in the village, it would not be necessary that a personal notice on each ryot should be made.

MR. REYNOLDS observed by the amendment paper that the section as agreed to by the Select Committee did not entirely commend itself to one hon'ble member, but he hoped to show, when that amendment was moved, that it was not called for.

In section 5 the Committee thought it desirable to explain that the provisions of the Bill should extend to settlements now pending. He was not sure that the section was necessary, but the Board of Revenue had represented that there were a number of important settlements in hand, especially those in the districts of Midnapore, Chittagong, and Pooree, and it was of great importance to know whether the provisions of the Bill applied to pending settlements or not. The Committee had therefore provided that the provisions of the Bill should apply to all settlements the proceedings in regard to which had not yet been confirmed, whether such proceedings had been commenced before or after the commencement of this Act.

The motion was agreed to.

The HON'BLE BABOO ISSER CHUNDER MITTER begged leave to submit, for the consideration of the Council, two small amendments with reference to the service of notices. These amendments were in furtherance of the principle enunciated in the Bill. It would be seen that in section 2 it had been provided that, in the case of settlements conducted under Regulation VII of 1822, there should be no enhancement of rent unless under one or other of the grounds specified in section 17 of Act X of 1859, or section 18 of Bengal Act VIII of 1869. Now, the jumabandi, which was usually made, contained the rent assessed after settlement upon all ryots and under-tenants, and an extract of this jumabandi was to be affixed in the village with a general notice to all whom it might concern, in lieu of the notice enjoined in section 14 of Act VIII of 1869, or section 13 of Act X of 1859. Now, this notice would acquaint the ryot only with the rent assessed, or rather the enhanced rent assessed, in respect of each tenure. The notice under section 13 of Act X of 1859 and the corresponding section of Act VIII of 1869 specified the rent to which the ryot would be subject for the ensuing year and the ground on which the enhancement was claimed. It would therefore be observed that the jumabandi would place in the possession of the ryot only the rent at which he was assessed; it would not specify the grounds of enhancement, which must, in settlement proceedings, be specified under section 2 of this Bill. The object of the amendment was simply to provide that in the jumabandi the ground of enhancement should also be specified, briefly of course, so that when a ryot proceeded under section 3 to contest his liability to the enhanced rate of rent, which he was required to do within the limit of three months, he might be able to meet the grounds stated in the notice. It was only with that object that BABOO ISSER CHUNDER MITTER suggested the consideration of the amendment which stood in his name.

When the notice was served personally on the ryot, which would be the exception rather than the rule, it would call upon him simply to sign the jumabandi, and would not therefore contain either the enhanced rate he had to pay, or the grounds of enhancement. That notice would not be issued in all cases. But when a settlement was conducted in a number of villages, the notice would be given by beat of drum, and the jumabandi would contain only the rate of rent assessed, and not the ground of enhancement in each case. It was admitted in the Bill that the grounds of enhancement were to be stated, and the object of the amendment was only to inform the ryot what those grounds were, so that, if he were to contest his liability to pay enhanced rent, he might know what the grounds of such enhancement were. **BABOO ISSER CHUNDER MITTER** therefore moved—

In section 4, line 1, after the word "writing" to add "containing an extract of the jumabandi relating to any under-tenant or ryot and specifying the grounds of enhancement;" and for the word "on" to substitute "such."

In the proviso added to section 4 in line 7, after the word "jumabandi" to add the words "specifying the grounds of enhancement."

The **HON'BLE MR. REYNOLDS** said the amendment which had been proposed appeared to him to be altogether unnecessary and uncalled for. He thought that if the hon'ble member compared the present Bill with the Acts to which it was intended to be supplementary, he would see that the Bill did not repeal any portion whatever of those Acts. The notice which was required to be served under section 13 of Act X of 1859, and section 14 of Bengal Act VIII of 1869, remained intact: it would have to be served in or before the month of *Pous* as provided by those Acts, and there was no alteration or modification of what the law required the notice to contain. **MR. REYNOLDS** therefore thought the amendment was superfluous, because the provision of the original law with regard to that notice remained untouched. At the same time, if there was any doubt, he thought the amendment undesirable, as opening a door to technical and frivolous objections to the enhancement of rent, which it was one of the objects of the Bill to prevent. Of course it was desirable that the ryot should know what enhanced rent he was called upon to pay, and on what grounds he was required to pay it; that was obvious, and it was not intended by this Bill to deprive the ryot of such information.

Moreover, with regard to the first part of the amendment, it did not seem necessary, when a personal and individual notice was served, that it must contain an extract of the jumabandi; there was no reason why it should. All that the ryot required to know was what was the rent he was called upon to pay, and the reasons upon which he was called upon to pay it. There was no reason, **MR. REYNOLDS** thought, to extend the law by providing that the notice should contain an extract of the jumabandi relating to the under-tenant or ryot; and with regard to the second part of the amendment, the section provided that the notice, with a copy of the jumabandi, or of such part thereof as the Collector might think fit, should be affixed at the *mâl* cutcherry of the village, or at some other conspicuous place therein. That should be quite sufficient without requiring in the law that the jumabandi must specify the grounds of enhancement. **MR. REYNOLDS** therefore hoped that the Council would not accept the amendment.

The **HON'BLE MR. MACKENZIE** said he thought the best justification of the Bill as it stood was the consideration of the fact that the proceedings in making land revenue settlements were not things done in a corner, but were done *coram populo*, before the people at large. The Bill only provided for the last stage of a long and careful investigation, of which every person interested had due notice. The first thing that a Settlement Officer had to do was to summon those interested in the land under settlement to attend him or his *ameen* during the subsequent operations, to point out the boundaries, settle the qualities of the soils, set forth their rights, and so on, and if any ryot was ignorant of what was eventually determined, it was only his own fault. A notice to him to come in and sign the jumabandi was the usual way of intimating to him that proceedings were closed, and he could, when he came in, ascertain all needful matters if he were ignorant of them before. If he objected he need not sign.

The **HON'BLE BABOO KRISTODAS PAL** said he confessed he had not been able to follow quite the reasoning which had been advanced by the hon'ble member

In the Resolution on the Port of Chittagong, the Lieutenant-Governor has already expressed an opinion adverse to the proposal to declare Naraingunge a port. It is possible, however, that the Commissioner may be able to bring forward fresh reasons in support of the scheme, and his report on the subject will be awaited.

### *The Orissa Ports.*

The following statement shows the value of the sea imports and exports of Orissa during the last eight years:—

YEAR.	BALASORE.			CUTTACK.			POOREE.		
	Value of imports.	Value of exports.	Total value of trade.	Value of imports.	Value of exports.	Total value of trade.	Value of imports.	Value of exports.	Total value of trade.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1869-70	22,541	2,73,049	2,95,489	39,064	1,35,480	1,75,044	26,800	2,25,245	2,52,105
1870-71	25,410	2,51,200	2,76,610	38,510	4,22,049	4,61,205	5,069	2,13,395	2,18,464
1871-72	89,464	3,33,043	4,22,507	55,917	2,14,967	2,74,684	64,053	1,84,498	2,52,521
1872-73	84,010	2,21,909	3,06,525	61,400	1,07,127	2,28,536	53,010	1,95,164	2,48,074
1873-74	50,000	2,47,973	3,37,973	1,44,044	4,54,396	6,03,310	11,568	2,84,322	2,95,890
1874-75	11,344	2,75,005	2,86,349	23,372	9,30,870	9,54,242	37,438	2,68,142	3,05,580
1875-76	20,67,024	17,00,029	37,67,053	13,74,696	12,71,575	26,50,181	20,261	2,89,143	3,19,444
1876-77	34,29,360	40,20,732	74,50,101	11,88,073	29,06,105	40,94,178	1,01,275	7,32,571	8,33,846

The figures in this table, representing the trade of the Orissa ports prior to 1875-76, do not include the trade between ports within the Presidency.

For the whole province the values may be shown thus—

					Foreign.	1875-76. Rs.	1876-77. Rs.
Imports	...	{	Dutiable	...	...	.....	100
			Free	...	...	...	322	1,792
Exports	...	{	Dutiable	...	...	5,27,152	7,75,484
			Free	...	...	...	38,025	42,639
Total					...	5,65,499	8,20,015
<i>Coasting.</i>							
Imports	...	{	Foreign merchandise	...	...	21,83,130	22,00,967
			Indian produce	...	...	9,66,669	10,74,995
			Treasure	...	...	3,15,770	14,40,863
Exports	...	{	Foreign merchandise	...	...	12,267	5,908
			Indian produce	...	...	17,76,288	50,03,204
			Treasure	...	...	9,17,057	18,32,173
Total					...	61,71,181	1,15,58,110
GRAND TOTAL					...	67,36,680	1,23,78,125

In Pooree and Cuttack there were no imports from foreign ports of either dutiable or free merchandise, while in Balasore the only foreign imports were 10,600 gunny-bags from Ceylon, valued at Rs. 1,792. A small quantity of claret was imported into Cuttack from Pondicherry.

Among the exports from Cuttack to foreign ports the chief were rice, wheat, and oilseeds. The trade in oilseeds is stated to have declined of late, partly in consequence of the greater attention bestowed on the export of rice, and partly because the firm which used to send sesamum to Franco have now left the district. The exports of rice rose from 91,196 cwt., valued at Rs. 2,59,661, in 1875-76, to 177,189 cwt., valued at Rs. 5,12,110, in 1876-77. Mauritius, Arabia, and Ceylon take the bulk of the Cuttack export. The foreign exports from Pooree show a decline, and the increase in Balasore is due to the large consignments of rice to Mauritius, Ceylon, and the Maldives.

Turning to the coasting trade of the Orissa ports, it will be found that the imports into Cuttack, excluding treasure, have fallen by about three lakhs in consequence of the diminished import of cotton piece-goods. If treasure be included, the decline amounts to a little more than two lakhs. At Pooree the imports have risen enormously, owing to gunny-bags received from Bombay and treasure from the Madras ports. At Balasore the increase, though less marked than at Pooree, was considerable. It occurred chiefly in treasure brought to pay for the purchases of rice from the cultivators, and also in cotton twist, metals, and gunny-bags.

In all of the Orissa ports the rise in exports to Indian ports was enormous, occurring chiefly in rice, the export of which is shown as follows:—

					Quantity.		Value.	
					1875-76.	1876-77.	1875-76.	1876-77.
					Cwt.	Cwt.	Rs.	Rs.
Cuttack	{ Rice in the husk	...	...	...	5,734	4,372	5,670	7,189
	{ Rice not in the husk	...	...	...	132,783	541,765	3,53,312	16,06,930
	Total	...	...	...	138,517	546,137	3,58,982	16,14,019
Pooree	{ Rice in the husk	...	...	...	66	3,080	80	5,868
	{ Rice not in the husk	...	...	...	138,563	225,664	2,97,017	7,04,187
	Total	...	...	...	138,629	228,744	2,97,097	7,10,075
Balasore	{ Rice in the husk	...	...	...	196,910	73,017	2,12,017	72,408
	{ Rice not in the husk	...	...	...	394,929	1,038,099	8,68,348	25,80,480
	Total	...	...	...	591,839	1,111,116	10,80,365	26,52,978

The accuracy of these figures is open to some doubt, as has been observed above, but they prove that the resources of Orissa have been made available to relieve a famine-stricken country at the time of its extreme need. It is hoped that a permanent development of the Orissa trade may result from the operations of the past year. Balasore shows an amount of exports which appears to be disproportionately large, but it has already been observed in the Resolution on the general administration report of Orissa that this is due to the shipment of Cuttack rice through the port of Cbandbally, which lies just within the western boundary of the Balasore district.

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By order of the Lieutenant-Governor of Bengal,  
H. J. REYNOLDS,  
Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL REPORT ON PUBLIC INSTRUCTION  
FOR THE YEAR 1876-77.

GENERAL DEPARTMENT.—EDUCATION No. 43.

*Calcutta, the 4th January 1878.*

READ—

The General Report on Public Instruction for the year 1876-77.

THE financial position of the Government of Bengal at the opening of the year 1876-77 compelled the Lieutenant-Governor not only to impress on all heads of departments the urgent need for the exercise of strict economy in the administration of the revenues, but also to make considerable reductions in the budget grants which it was originally proposed to assign under the several heads of provincial expenditure. During each of the years which followed the introduction of the system of provincial finance established in 1871, the local Government had at its disposal accumulated balances which were available to meet any surplus of expenditure over receipts, and charges were consequently admitted on a scale which the current income of the Government would not have justified. These balances, however, were surrendered to the Government of India in partial liquidation of the liabilities incurred by Bengal during the scarcity of 1874, and the Government found it necessary, in settling the provincial budget for 1876-77, to keep the sanctioned expenditure strictly within the amount of the expected income of the year.

2. The Department of Education, in common with the other departments of the provincial administration, suffered under these necessary retrenchments. The grant originally intended to be assigned was Rs. 25,38,333; but this sum was successively reduced, first to Rs. 24,92,236, and eventually to Rs. 24,67,236. The actual expenditure of the year was Rs. 24,61,599, of which Rs. 4,71,814 represent departmental receipts, and the balance, Rs. 19,89,785, is the net Government expenditure. The gross expenditure in 1874-75 was Rs. 25,11,830, the sanctioned grant for 1875-76 was Rs. 26,14,010, and the actual expenditure of that year amounted to Rs. 26,32,444. The figures are not quite accurately given in the opening paragraphs of the Director's present report; but it will appear, from what has been said, that the expenditure of 1876-77 from the Education Budget was about half a lakh below that of 1874-75, and nearly 1½ lakhs below that of the year 1875-76.

3. The officers of the department exerted themselves loyally and strenuously to carry out the orders of Government, and to prevent the diminution of the grant from injuriously affecting the progress of education. But it was inevitable that so serious a reduction in the available funds should not only arrest development, but should in some cases result in an actual decrease in the number of schools and pupils; and this decrease has occurred in middle schools generally, and in primary schools in the great majority of districts. There was also a considerable decrease in the number of schools for special instruction, but this did not arise from the reduction of the grant, but from the closing of several normal schools of the second and third grades—a measure which was carried out by Government upon grounds independent of financial considerations.

4. Under these circumstances, the Lieutenant-Governor regards it as a satisfactory proof of the general soundness and vitality of our educational system that, notwithstanding these disadvantages and drawbacks, the number of schools and colleges under inspection, and the pupils attending them, showed a marked increase during the year. The figures are given in the following table:—

CLASSES OF INSTITUTIONS.	1876.		1877.	
	Schools.	Pupils.	Schools.	Pupils.
For general instruction—				
Government institutions	259	24,208	267	24,595
Grant-in-aid ditto	1,872	87,379	1,843	88,193
Primary and Circle Fund Institutions	13,270	353,166	13,865	351,648
Unaided institutions	2,358	60,111	5,029	120,617
For special instruction*	91	4,940	75	4,398
Total	17,850	585,804	21,478	589,351

\* Schools for special instruction are all Government institutions, except 15 aided normal schools with 853 pupils, and one unaided technical school with 255 pupils.

5. An examination of this table shows that the increase in the number of Government schools has not been accompanied by a corresponding increase in the number of pupils; that though grant-in-aid schools have diminished by 30, the number of pupils in them has increased; that schools supported from the primary fund show an increase in numbers, with no increase in pupils; that a large additional number of unaided pathshalas have been brought under inspection; and that, notwithstanding the decrease in the number of schools for special instruction, the pupils attending them have not very greatly diminished. If the unaided institutions, which are of course unaffected by the finances of the department, are excluded from the returns of both years, it will be seen that while in 1875-76 there were 15,492 schools with 469,693 pupils, in 1876-77 the number of schools rose to 15,849, but that of pupils diminished to 468,834.

6. If the schools are classified, not according to the budget grant from which they are supported, but according to the character of the instruction imparted in them, the results of the year are as follow:—

CLASS OF INSTRUCTION.		1876.		1877.		Average number of pupils at each school.
		Schools.	Pupils.	Schools.	Pupils.	
SUPERIOR	Colleges	18	1,404	20	1,792	90
	Higher English schools	173	82,529	180	82,057	183
	Middle	623	34,072	511	30,072	59
SECONDARY	Middle vernacular	1,259	59,304	1,045	51,718	50
	Intermediate English schools	....	....	112	4,328	39
	Ditto vernacular schools	....	....	1,501	52,050	35
PRIMARY	Primary schools	13,216	348,510	12,272	302,550	25
	Female	427	11,331	480	12,027	25
SPECIAL	....	91	4,940	75	4,308	58
Total		15,907	492,090	16,106	492,492	....

\* In the report for the previous year, all schools aided from the primary fund were classed as primary schools. The figures have been corrected in this table.

Unaided primary schools are not shown in this table, the standard of instruction in these not being accurately defined. Intermediate schools appear as a new class in the returns of 1876-77; in the previous year intermediate English schools did not exist, and intermediate vernacular schools were included in the primary class. The falling off in middle schools, and especially in middle English schools, is very noticeable, the number of middle English schools in 1875-76 being the same as that of middle English and intermediate English together in 1876-77. In the middle vernacular schools the loss is not so great, as the majority of the intermediate vernacular schools have not come down from the middle class, but have risen from the primary class. But it is estimated that of the 214 middle vernacular schools which have disappeared from the returns of the year, about 40 or 50 have been entirely closed, and the rest have fallen to a lower class. Primary schools show a decrease of nearly 1,000. This means that, in round numbers, 1,300 of these schools have been raised to the intermediate class, and 1,200 have disappeared from Bengal generally, while no less than 1,500 new schools have been added to the list in the two districts of Midnapore and Balasore.

7. In all this there is no ground for apprehension, and but little cause for regret. Some of the weaker schools, which possessed little vitality independent of the Government grant, have been closed; while a more careful classification has shown that some schools were unable to maintain the standard under which they were previously ranked. But the colleges and higher English schools at one end of the scale, and the primary schools at the other, have in general stood the test of financial reductions in a manner which shows the soundness of the basis upon which they are established. The lesson to be deduced from the experience of the year appears to be that the middle schools are the weakest part of our educational system, and that special efforts should be made to strengthen and improve them.

8. The favourable inference which may be drawn from these returns is confirmed by an examination of the figures which show the proportion of the total educational expenditure contributed by Government and by the people themselves. Including the charges of the Medical College and schools, which are not shown in the Education Budget, the total expenditure on organized



education was Rs. 42,34,000, of which Rs. 22,52,000 were paid by Government. In the previous year the Government contribution was Rs. 24,03,000, and the total expenditure Rs. 41,89,000. An increase of nearly half a lakh of rupees in the total expenditure, combined with a decrease of more than a lakh and a half in the payments by Government, shows that during the year the private funds expended upon education increased by about two lakhs of rupees. The Government share of educational expenditure has decreased during the year from 57 to 53 per cent., and this decrease in the rate is found in the schools of every class. The contributions from the public were Rs. 16,68,000 in 1874-75, Rs. 17,86,000 in 1875-76, and Rs. 19,82,000 in 1876-77. These figures appear to the Lieutenant-Governor to afford a convincing proof that the people are willing not merely to accept the instruction imparted in our schools, but to take their share in supporting it; and it is especially satisfactory to find that, in a year in which the Government was compelled to enforce measures of the strictest economy, the schools suffered no pecuniary loss, the deficiency being supplied, and more than supplied, by increased contributions from the public.

9. The primary schools supported or aided by Government showed a decrease during the year of nearly 1,000 schools and 46,000 pupils. But this decrease is owing, as has already been explained, to the elevation of about 1,300 of the best primary schools to the intermediate class. There has therefore been a real increase of about 300 schools; and as it appears that 1,500 pathshalas have been newly brought on the returns in the two districts of Balasore and Midnapore, it follows that about 1,200 schools have disappeared in other districts. Some of these continue to exist as unaided schools, but it is to be feared that the greater number have been closed. The unaided schools brought under inspection have increased from 2,043 schools with 43,714 pupils to 5,282 schools with 96,859 pupils. In the whole number of schools aided from the primary fund there are above 338,000 pupils, of whom it is estimated that about two-thirds, or 225,000, are in the lowest stage of instruction; 110,000 are able to read, write, and understand easy sentences out of a book, while at least 3,000 have reached a higher stage than this.

10. The report contains some suggestive and interesting paragraphs on the character of the instruction imparted in the indigenous schools of the country, the effect of the impulse given to primary education by the orders of 1872, the further degree of success which may reasonably be hoped for, and the dangers which have to be guarded against in extending and developing the present system. Such questions as these do not admit of proper and sufficient discussion within the limits of a Resolution, and the Lieutenant-Governor, while expressing his general concurrence in the Director's views, would rather commend these paragraphs to the perusal of those interested in the subject, than attempt to enter upon a detailed examination of the facts and arguments advanced in them.

11. Some remarks, however, appear to be called for upon the tendency which exists in some districts to raise the pathshalas to a standard unsuited to the requirements of those classes of the people for whom these schools were originally intended. Jessore, Moorshedabad, and Burdwan are noticed in the report as districts in which this tendency is specially conspicuous. It must be distinctly understood that it is not the policy of the Government to convert the pathshalas into cheap middle schools; and that the success of a pathsala is to be tested, not by the proficiency of the three or four boys who go up for the scholarship examination, but by the average progress of the general body of pupils.

12. The adoption of a system of payment by results is the best means of securing this end, while at the same time it allows a larger number of schools to be aided from the district grant. It is therefore satisfactory to find that this system, in one form or another, is now being very generally introduced. In some districts the plan adopted is that of rewards after examination; in others, that of the payment of remuneration according to the classification of schools; in others, again, the payment is made to depend on the result of the inspecting officer's report. In several of the Behar districts the supervision of the village punchayets has been employed with very successful results. The Lieutenant-Governor would by no means desire to pass any orders tending to reduce these diversities of practice to one uniform standard. It is for the local officers



to determine, in consultation with the circle inspectors, the system best adapted to the conditions and requirements of their respective districts. The present report affords abundant evidence of the attention which District Magistrates have devoted to the subject. The Magistrate of Bankoora, Mr. Larminie, deserves honourable mention for the elaboration of a scheme under which Bankoora has a larger proportion of school-going children to population than any other district in Bengal. The system, however, though it works admirably in Bankoora, is inapplicable to a large district. The plan originated by Mr. Harrison in Midnapore has continued to give excellent results during the year, and has been successfully introduced into the Balasore district. In the 24-Pergunnahs Mr. Wilson has adopted a system, based upon a scheme of the late Mr. Woodrow, of rewards for the attainment of certain educational standards. The Magistrates of Noakholly and Balasore, and the Deputy Commissioner of Manbloom, have exerted themselves in various ways for the promotion of primary education, and the differences of system which prevail in these and in many other districts are really a measure of the intelligent appreciation given by the respective officers to the varying circumstances of their districts and to the special difficulties which have to be overcome.

13. The standard for the primary scholarship examination was considerably raised this year, and the test is said to have been very strictly enforced. In all, 3,110 schools sent up 11,462 candidates, and of these 5,246 passed and 386 obtained scholarships, the rest receiving certificates of merit according to their proficiency. It is noticeable that this year girls competed for this scholarship for the first time, and that in Jessore one girl obtained a scholarship, while in Tipperah three girls passed and one obtained a scholarship, standing first on the whole list. In Bhagulpore the scholarships appear to have been awarded without examination, a circumstance which calls for explanation from the Commissioner, as the omission to hold an examination in that district was noticed in the Resolution upon last year's report. On the whole, the Director thinks it is certain that the results of the year show a great advance. But there seems some reason to fear that these scholarships, which were intended to assist gifted boys of the lowest social classes in prosecuting their studies to a higher standard, are in many cases awarded to candidates who were simply attached to the pathsalas by the prospect of a scholarship, and who would otherwise have studied in a middle school. It is thought worthy of special notice that in one case the son of a weaver, and in another case the son of a milkman, obtained a scholarship; whereas instances of this kind should have been the rule, and not the exception. The Director will be invited to consider whether any regulations can be devised to restrict a practice which tends to defeat the object which the Government had in view in establishing these rewards.

14. The area of secondary instruction, which reaches from the standard of the primary schools to the standard of the University Entrance Examination, was enlarged during the year by the establishment of the new class of intermediate schools. The present returns include 1,501 intermediate vernacular schools with 52,650 pupils, and 112 intermediate English schools with 4,328 pupils. These intermediate schools are principally improved pathsalas; in some cases they are reduced middle schools, and in a few instances they are newly-founded schools. But it is generally agreed that the vernacular schools of this class have been much more useful than those which attempt to give instruction in English. While the vernacular schools have in general risen from a lower grade, the English schools have, with scarcely an exception, been brought down from a higher class. This result, indeed, is the natural consequence of the low standard which at present prevails in the middle English schools; and it may be confidently asserted that until the teaching, and especially the English teaching, in schools of this class shall have been generally improved, no room will be found for the establishment of an intermediate class between the middle and the primary schools. After full consideration, the Lieutenant-Governor has lately determined to discontinue the award of the special scholarship for intermediate English schools, and this will no doubt be followed by the disappearance of this class of schools from the returns.

15. As the examination for intermediate scholarships was held for the first time during the year, the Lieutenant-Governor thinks it sufficient to notice,

rather than to censure, the laxity with which the rules upon the subject were enforced. It was the intention of Government that primary schools should be allowed to elect whether they would compete for the primary or for the intermediate scholarship. But it appears that these orders were generally interpreted to mean that any school which pleased might send up candidates for the intermediate scholarships, and the natural result was that the majority of these scholarships were awarded to students from middle schools—a class of pupils for whom the scholarships were not designed, and to whose attainments the prescribed standard was not adapted. For the intermediate vernacular scholarship 723 schools sent up 1,645 candidates, of whom 867 passed and 185 obtained scholarships: for the English scholarship the number of schools was 76, and that of candidates 201. Of these, 146 passed and 39 obtained scholarships. The Director has since issued a circular calling attention to the true meaning of the Government orders on this subject, and it is hoped that all possibility of misapprehension will now have been removed.

16. The number of middle vernacular schools decreased during the year from 1,259 schools with 59,304 pupils to 1,045 schools with 51,718 pupils. The causes of this decrease have already been explained: some schools have been abolished in consequence of the reduction of the grant, and others have fallen to the intermediate standard. The decrease was in the aided and private schools: the Government schools maintained their numbers, but showed no appreciable increase. The results of the vernacular scholarship examination, which is the recognized test of the education given in these schools, contrast very unfavourably with those of the preceding year. In 1876, 821 middle schools sent up 3,003 candidates, of whom 1,359 passed and 218 obtained scholarships. In 1875, 2,521 candidates passed out of 4,062 who presented themselves for examination. It is suggested in the report that this is due in some measure to the recent modifications introduced into the scholarship course. But this explanation is insufficient to account for so serious a decline, and the fact that more than one-fifth of the schools failed to send up any candidates at all affords a proof that middle school teaching requires to be actively stimulated and carefully supervised.

17. The returns for middle English schools point to a similar conclusion. In 1875-76 these schools numbered 623 with 34,072 pupils: in 1876-77 the numbers fell to 511 schools and 30,072 pupils. The progress in these schools is tested by the minor scholarship examination; and it appears that in the year under report 292 middle English schools sent up 923 candidates for this scholarship, and that of these 486 passed and 108 obtained scholarships. It follows that only three schools in every five compete at all for the scholarship, and that there are 220 schools shown in the returns as middle English schools which are unable to send up any candidates for the examination which is the recognized standard of their class. In the previous year there were 1,140 candidates for the minor scholarship, and of these 816, or 72 per cent., passed; whereas in the present year the proportion of successful candidates is only about 53 per cent. The returns do not show what proportion of the competing schools succeeded in passing any of their candidates; and the Lieutenant-Governor would ask that this may be stated in future reports, as regards both vernacular and English middle schools.

18. It is easy to trace the causes of this decline both in the numbers of middle schools and in the character of the instruction given in them; but it is a matter of more difficulty to suggest a remedy. The fact appears to be that, though the middle vernacular schools in many cases retain much of the stamp of excellence originally impressed upon them, they have in general ceased to be popular institutions. To a promising or ambitious boy, vernacular education, however excellent, seems to hold out little prospect of a successful career. He feels that, even if he obtains a scholarship, he will compete on disadvantageous terms in the struggle for the coveted prize of Government service with rivals who began the study of English at an earlier age. But if, in the vernacular middle schools, the decline is owing to the falling off of pupils, the low standard of English middle schools arises from the deficiency of the teaching staff. The Director remarks that schools of this class are very popular; it must be added that in general they are also very worthless. The teaching which they give is in no sense education, and can scarcely even be called instruction. Its

prominent feature is the attempt made by untrained masters, themselves very imperfectly acquainted with English, to impart a smattering of English to boys who have never studied their own vernacular, and have never been grounded in any useful branches of learning. In his recent tours of inspection, the Lieutenant-Governor noticed with much concern the waste of time and money expended in producing these unprofitable results, and the social mischief of encouraging lads to aim at a class of education which was only within their reach in a very inefficient form, and which certainly exposed them to the probability of heavy disappointments when their school career is finished.

19. The policy which the Government desires to adopt in reference to this matter has been explained in orders which have recently been issued. In all Government middle schools it is intended that sound vernacular training shall be made the preliminary to English education, and in aided schools the acceptance of a similar principle will be a condition of the receipt of a Government grant. With this object, candidates for the minor scholarship examination will be required to pass the full vernacular tests, and, if the necessary books shall be forthcoming, it will also be required that English grammar shall be taught in the vernacular. It is also intended to increase the number of Government middle schools, as it is found that a Government school usually serves as a model to aided and private schools in its neighbourhood. The Government vernacular middle schools at the sudder stations of districts are for the most part of excellent quality, and similar schools will now be established in subdivisions. The working of these orders will require to be very carefully watched by the inspecting officers of the department, and it must be clearly understood that the Government has no desire to prohibit, or even to discourage, the study of English in middle schools, but only to require that the teaching shall conform to the object with which the schools were founded—namely, the imparting of sound vernacular instruction.

20. The vitality of the higher English schools, teaching up to the standard of the Entrance Examination, is shown by the fact that, under all the difficulties of the year, they increased both in number and pupils, the figures for the last two years being as follows:—

		1875-76.		1876-77.	
		Schools.	Pupils.	Schools.	Pupils.
Government schools	...	45	11,952	48	12,235
Aided schools	...	85	9,550	88	10,365
Private schools	...	43	11,027	44	10,357
Total	...	173	32,529	180	32,957

It is also worthy of notice that, whereas a large proportion of middle schools are unable, as already shown, to send up candidates for middle scholarships, the number of higher schools which send up candidates for the Entrance is actually greater than the whole number of schools shown in the returns. Candidates were sent up by 175 schools in 1875-76 and by 185 schools in 1876-77. The explanation of this of course is that some private schools, which do not appear in the returns, send up candidates; but the general result is a striking proof that a fairly high standard is maintained on the average in all schools of this class.

21. The system of net grants to zillah schools, originated by Sir George Campbell in 1872, has produced excellent results, and the term of five years, for which the grants were originally made, having expired, the grants have been renewed for three years with such modifications as experience has shown to be required. Schools have been arranged in three classes, the number of pupils in the school being taken as the basis of classification, and a standard scale of establishment has been fixed for each class. The system of net grants possesses a double advantage: it tends at the same time to promote private liberality, and to check injudicious expenditure, and the steady improvement which Government schools of the higher class have shown during the last few years in numbers, popularity, and efficiency, may in great part be ascribed to the working of this system under the superintendence of the local committees.

22. For the Entrance Examination of December 1876, 185 schools sent up 1,849 candidates, and 1,005 of these passed, 18 per cent. of these being placed in the first division, 57 per cent. in the second, and 25 per cent. in the third. The total percentage of successful candidates was 54·3, against 31 in the

previous year. In the Government schools 65·4 per cent. of the candidates passed, the Hindu and Ilare Schools in Calcutta taking, as usual, the highest place. The report suggests reasons for thinking that the marked improvement shown this year may fairly be attributed, not to any relaxation of the standard, but to better preparation on the part of the candidates. Next to the Calcutta schools, the Dacca collegiate school occupied the most honourable place, and among the zillah schools the two schools of Burrisal and Mymensingh. The position taken by the schools at Berhampore, Chittagong, Arrah, Pubna, and Balasore calls for some departmental inquiry into the causes of their want of success.

23. The Government colleges teaching up to the B.A. standard are now six in number, the Kishnaghur and Cuttack colleges having opened 4th-year classes during the year. There are also six Government colleges of the second grade, in which instruction is confined to the standard of the First Arts Examination. There are six aided colleges and three unaided, of which last class the Metropolitan Institution in Calcutta is the only one which contains any considerable number of college students. The large proportion of candidates who passed the Entrance Examination had the natural effect of raising the number of students in the colleges; but the increase was greatest in the aided and unaided institutions. The numbers in the Presidency and Dacca colleges remained stationary. There was some increase at Hooghly and Patna, and a large increase at Kishnaghur, owing to the popularity of the college from the restoration of the B.A. classes. The infant college at Cuttack, which was founded only two years ago, also shows a considerable accession of students. The total number of under-graduate pupils in the Government colleges was 1,001, and in the aided colleges 556, or a total number of 1,557, against a total of 1,249 in the previous year and 1,213 in 1874-75. The numbers in unaided colleges cannot be accurately given.

24. The expenditure upon college education is shown in the following table:—

		Government fund.	Fees and private funds.	Total.
		Rs.	Rs.	Rs.
Government colleges	...	2,00,335	88,805	2,89,140
Aided colleges	...	24,197	83,631	1,07,828
		<u>2,24,532</u>	<u>1,72,436</u>	<u>3,96,968</u>

The figures differ little from those of the preceding year, and the increase is attributable to the larger number of students. The average annual cost of the education of each student is Rs. 407 in a Government college and Rs. 308 in an aided college.

25. For the First Arts Examination, which takes place at the end of two years from matriculation, 330 candidates appeared and 151 passed. The Kishnaghur and Hooghly colleges were specially distinguished, while among the Dacca students there was a general failure. It is observable that a large majority of the successful candidates elected the course in science for their studies for the B.A. degree. For the B.A. examination there were 242 candidates and 115 passed, the general result being thus much better than those of the previous year. From the Government colleges 57 per cent. of the candidates satisfied the examiners, and the results would have been much better even than these had it not been for the failure of the students from Dacca and Patna. For the M.A. examination there were 23 candidates for honours in Arts, of whom 15 were successful, while eight candidates out of 17 obtained the ordinary M.A. degree.

26. In the Resolution upon last year's report, the paucity of those who take degrees in the University, in comparison with the number who matriculate, was noticed as a serious blot in our educational results. It was pointed out that the graduates in Arts are only about one-tenth of the number who matriculate. The Lieutenant-Governor is therefore glad to observe that the results of the year under review show a marked improvement in this respect. The 702 candidates who matriculated in 1874-75 were eligible this year for the First Arts Examination, and, as has already been remarked, 330 presented themselves and 151 passed. Similarly, in 1874-75 144 candidates passed the First Arts and were eligible this year for the B.A. degree, which 115 students

actually obtained, or, in other words, the graduates in Arts this year were 80 per cent. of the whole number who passed the First Arts standard two years before. Such results as these cannot fail to exercise a marked influence, at no distant date, on the character of the educated classes, and, through them, on that of the people at large. It rests, indeed, with the University, rather than with the Government, to direct the course of college study, and to ensure that the distinction of a degree shall imply the possession of those mental qualities which generally distinguish men of sound and solid education. These qualities, the Director thinks, are now found in the successful candidates at the examinations for honours; the Lieutenant-Governor hopes that he is right, for it is a matter of deep interest to the Government that education of this type should be extended to a larger circle of students.

27. The department of special instruction includes the subjects of law, medicine, civil engineering, surveying and industrial schools, and the School of Art in Calcutta. There are five Government colleges to which law classes are attached, but the number of students has steadily declined for some years past. The civil engineering department of the Presidency College and the English department of the Medical College show a similar falling off, and for the present there seems reason to think that these professions are overstocked. But if this is really the case, the evil is one which may be trusted to work its own remedy. The vernacular medical and survey schools, which draw their pupils from a lower social stratum, and qualify for a less ambitious professional career, are working successfully. In the School of Art the students decreased from 134 to 119, but there was an increase in the Government expenditure which calls for explanation. The industrial school at Dacca is in a languishing condition; while the school recently opened at Ranchi is doing useful, if humble, work under the management of Mr. Herzog of the Chota Nagpore Mission. The industrial school at Dehree, though expensive, is an excellent and efficient institution with 78 pupils on the rolls, partly Europeans and partly Natives. The funds raised for the proposed industrial school at Bankipore have fallen very far short of the amount originally expected, and the scheme is for the present in abeyance. The Lieutenant-Governor is disposed to think that, with the consent of the subscribers, it might be desirable to utilize this money by founding additional studentships at Dehree, where there are already a qualified staff of instructors and all appliances for teaching.

28. On a general review of this province of the department of education, the Lieutenant-Governor is compelled to express his regret not only that so little has actually been done, but that the native community show so little desire to take up the important question of technical instruction in an earnest and practical spirit. Of the two Associations in Calcutta which were referred to in last year's report as having been founded for the promotion of technical education, it is understood that one confines its efforts to the delivery of occasional lectures, and that the other has made no progress at all towards effecting its object. The question of industrial schools has been very fully discussed: the advantages of an independent career have been theoretically admitted; the Government has announced its readiness to give all the assistance in its power. What is now required is not the advocacy, but the example, of those classes of society which, in spite of all warnings and all disappointments, continue to overcrowd the public service, and to expend, in competitions for ill-paid clerkships, energies and abilities which might ensure a prosperous and lucrative career in other walks of life. It has occurred to the Lieutenant-Governor that something might be done to establish scholarships from selected schools in various parts of the country tenable at Dehree, or the new Public Works School being established in Calcutta. Some of these scholarships might be reserved for European and Eurasian schools, and possibly persons interested in technical education might be found willing to endow such scholarships at all events for a term of years. Such workshops as those at Dehree are far more efficient for the purpose of technical instruction than any schools likely to be established by private persons.

29. The following figures show the progress in female education during the year. Schools for native girls increased from 403 with 9,690 pupils to 464 with 10,492 pupils, and the number of native girls studying in boys' schools rose from 7,186 to 9,794. Altogether there were 20,286 girls under instruc-

tion, against 16,876 in the previous year. Besides these, there were 17 schools for European girls, with 1,339 pupils. The success of some girls in the competition for primary scholarships has already been noticed, and the progress made in girls' schools in the mofussil is reported to be satisfactory; the schools under the management of the Utterpara Hitakari Sobha being specially efficient and successful. In Calcutta, a large proportion of the Government expenditure on native female education is incurred in aiding the missionary zenana agencies, and, from the reports furnished by Mrs. M. Wheeler, the Deputy Inspectress of Schools, it seems doubtful whether any adequate return for this outlay is received. The Bethune School in Calcutta shows some increase in the number of pupils, and a lower school has been added to it for the benefit of the poorer classes; but the school cannot be considered successful, and its reorganization on a wider basis is under the consideration of Government.

30. The necessity for devoting a special section of the report to the subject of Mahomedan education arises not so much from the absence of Mahomedans from the general schools of the country, as from the fact that a separate fund (the Mohsin Endowment) is assigned to the promotion of education among this class of the community. This endowment is expended partly in the maintenance of five madrissas for instruction in oriental learning, partly in the award of Mohsin scholarships to deserving Mahomedan students, and partly in the payment at ordinary colleges and schools of a portion of the fees of Mahomedan pupils of the poorer classes. The madrissas are reported to have worked successfully during the year, especially the Calcutta Madrissa, which has shown a steady increase in numbers for several years past. But, on the whole, the number of Mahomedan pupils in all Government and aided schools showed a diminution from 91,223 (or 19·4 per cent. of the whole number of boys at school) to 81,585, or 17·2 per cent. This is attributable to the decrease in the number of primary schools in those districts which have a large Mahomedan population, as Mahomedan boys attend the pathsalas more largely than any other class of schools. It is observable that in schools of special instruction, as law and medicine, Mahomedans are scarcely found, except in Behar. In the Patna Medical School they form a large majority of the students. In the B.A. examination of the University the Mahomedan candidates did well, four passing out of ten who presented themselves, and three of these in the first division.

31. The reductions made during the year in the number and cost of normal schools were due to the carrying out of the policy explained in the Resolution upon last year's report. It is intended that a first grade normal school shall be maintained in each Commissioner's division, and that schools of the second and third grades shall be confined to backward districts, in which schools of secondary instruction are few. During the year under review there were seven Government schools of the first grade, four of the second, and 14 of the third, and from these schools 718 gurus received certificates of qualification as teachers of primary schools, and 163 candidates passed the examination for masterships in middle and higher schools. The Director thinks that the stipend allowance in normal schools is too small, and that the schools at their present strength cannot supply a sufficient number of pundits. But the Lieutenant-Governor remarks that hardly any effect has yet been given to that part of the orders of 1875 which provided that normal schools of the first grade should be examining as well as teaching bodies. The purport of these orders should be generally explained, and uncertificated masters should be encouraged to attend the examinations with the object of obtaining certificates. It is impossible for the Government to undertake to give stipends to all those who adopt the profession of pundits; and the full benefit of the normal school system can only be realized by a general application of the principle that these schools are institutions for testing results as well as for imparting instruction.

32. The following statement exhibits the details of schools and pupils, and the distribution of funds under the grant-in-aid system, during the last two years :—

		1875-76.	1876-77.
Number of aided schools and colleges	...	1,889	1,833
Number of pupils	...	88,112	88,059
Receipts from Government	...	Rs. 4,30,128	Rs. 4,37,564
Total receipts	...	„ 13,17,286	„ 14,09,410



There has thus been some decrease in the number of schools, while the number of pupils is nearly the same, and the expenditure, both of Government money and of private funds, shows a considerable increase. As was the case last year, the largest share of Government expenditure was for middle English schools and for female education. Complaints of irregularities in the mode of keeping the accounts of aided schools, and of the imperfection of the present system of checks, have from time to time been brought to the notice of Government. The present report discusses in some detail a scheme proposed by the Inspector of the Presidency Circle for simplifying the accounts, and ensuring the maintenance of an efficient teaching staff in schools of this class. The annual report, however, is not the proper place for bringing forward proposals of this kind; and any suggestions which the Director desires to offer on the subject should be separately submitted.

33. The question of the education of European and East Indian children was discussed at length in last year's report, and it was then remarked that sufficient school accommodation had been provided for this class of the community. Accordingly, no increase in the number of these schools was found necessary during the year, but some additional aid was given, in the form of capitation grants, to several of the Calcutta schools. From the census returns of Calcutta, it appears that there are about 3,500 European and East Indian children of school-going age in the town; and the returns show that 2,942 children were actually attending schools aided by Government on the 31st March 1877. Adding to these the children at unaided schools, there appears no reason to think that any considerable want remains to be supplied.

34. The strength of the inspecting staff, though considerably increased under recent orders, is reported to be still very insufficient for the number of schools which are now under the supervision of the department. Including two special officers, the number of Deputy Inspectors and Sub-Inspectors of Schools is 202, and there are no less than 21,532 schools under inspection, giving each officer an average of above 106 schools to supervise. Proposals are under consideration for re-distributing the present inspecting circles and for appointing assistant inspectors. But it is evident that, if every school is to be locally visited, the present inspecting agency ought to be doubled; and this would involve an expenditure which it is entirely beyond the power of the Government to incur. The only practicable solution of the difficulty is that suggested in the report, viz. to bring the primary schools, which far outnumber the schools of all other grades, under a system of payment by results, which will in a great measure dispense with the necessity for local visits.

35. A general summary of the results of the year, as gathered from the foregoing paragraphs, shows that, while the work of the department has been conducted under some difficulties and disadvantages, considerable progress has been made, and a still further measure of success may be hoped for in the future. In particular, the educational history of the year is characterized by two circumstances which appear to the Lieutenant-Governor to afford special ground for satisfaction—the large increase in the funds contributed by the people themselves to schools of every class, and the marked success of the candidates from Bengal schools and colleges in the examinations of the University. The former of these shows that the present system of public instruction is founded upon a secure basis; that it is not merely a Government department, but a national institution. The latter affords a proof that this confidence is not misplaced; that the contributions, both of Government and of the community, are usefully expended; and that, while the basis of education in Bengal is broad, the superstructure also is high. These are results upon which, in the Lieutenant-Governor's opinion, both the officers of the department and the people at large may justly be congratulated.

By order of the Lieutenant-Governor of Bengal,

H. J. REYNOLDS,

*Secy. to the Government of Bengal.*

DISTRICT ROAD FUND.

No. 44A.

*Extract from the Proceedings of the Hon'ble the Lieutenant-Governor of Bengal in the Public Works Department (Local,—Accounts), under date the 11th January 1878.*

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*Read memorandum from the Examiner of Public Works Accounts, Bengal, No. 13D. dated the 4th January 1878, submitting an abstract of the receipts and expenditure of the several District Road Committees for the quarter ending 30th September 1877.*

**RESOLUTION.**—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the District Road Fund for the fourth quarter of the cess year 1876-77 be published in the *Calcutta Gazette*, and circulated to the officers concerned.

**ORDERS.**—Ordered that a copy of this resolution, together with a copy of the abstract of receipts and expenditure, be published in the supplement to the *Calcutta Gazette*.

Ordered that a copy of this resolution as well as the abstract referred to, be forwarded to the Financial Department of this Government for information. Also that copies of each be forwarded to all Commissioners of Divisions, to all Superintending Engineers of Circles in Bengal, to the Accountant-General of Bengal, and to the Examiner of Public Works Accounts in Bengal, for information.

By Order of the Lieutenant-Governor of Bengal,

J. E. T. NICOLLS, *Major-Genl., R. E.*,

*Secretary to the Government of Bengal  
in the Public Works Department.*



## DISTRICT

## Abstract of Receipts and Expenditure of the several District

Ending 30th

RECE

NAMES OF DISTRICTS.	Balance on 30th June 1877.	REVENUE UNDER DISTRICT ROAD CESS ACT X. OF 1871.						Road Cess leviable otherwise than under the District Road Cess Act.	RECEIPTS FROM		
		Cess on Lands.	Cess on Mines, Railways, &c.	Cess on Houses.	Fines.	Total.	Road Tolls.		Ferry Tolls.	River or Canal Tolls.	
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	
Burdwan	37,588 10 1	22,760 9 9	2,922 11 6	2,602 2 0	339 0 0	28,624 7 3	1 3 9	2,210 15 0	5,343 14 0	...	
Bankoora	12,192 5 2	5,042 6 4	7 11 0	361 0 0	...	5,411 1 4	30 11 8	1,065 8 0	...	...	
Beerbhoom	36,514 11 3	11,960 2 4	...	885 3 9	248 15 3	13,094 5 4	...	3,499 7 6	485 4 0	...	
Midnapore	62,112 0 5	31,984 2 5	...	5,331 11 6	96 14 0	37,112 11 11	297 12 6	283 8 0	1,458 2 7	...	
Hooghly with Howrah	48,035 4 7	26,128 1 3	...	4,868 0 0	...	30,996 1 3	25 6 3	2,315 0 0	1,200 12 0	1,025 0 0	
24-Pergunnahs	70,475 4 11	25,910 15 11	...	2,066 12 0	384 7 9	28,392 3 8	34 3 3	2,843 5 3	3,955 15 0	...	
Nuddea	18,333 11 1	18,235 14 8	...	3,346 6 0	...	21,582 4 8	20 14 0	300 0 0	8,511 0 0	...	
Jessore	18,429 15 1	23,468 3 6	...	1,812 12 0	...	25,280 15 6	23 4 1	...	1,670 13 0	...	
Moorshedabad	36,848 5 9	17,398 14 4	...	419 2 6	...	17,818 0 10	73 0 9	...	3,358 5 0	...	
Dinapore	73,278 5 11	15,943 14 6	...	4,469 7 3	...	20,413 5 9	...	...	3,017 8 0	...	
Rajshahiye	1,13,156 6 4	12,742 15 2	...	160 8 9	...	12,903 7 11	5 2 0	...	1,399 1 11	...	
Rungpore	95,407 11 4	24,352 14 10	...	2,067 6 0	508 2 0	25,912 2 10	80 5 0	...	6,476 13 3	...	
Bogra	41,152 3 10	13,339 9 1	...	1,201 12 0	291 15 3	14,836 4 4	...	...	1,214 10 3	...	
Pubna	20,214 0 7	9,178 6 6	...	3,347 14 6	332 2 9	12,858 7 9	20 15 0	...	72 0 0	...	
Fulpigoree	24,699 11 7	7,727 8 8	...	460 12 0	7 0 0	8,195 4 8	...	...	1,164 7 7	...	
Dacca	86,093 0 1	13,461 9 11	...	2,874 8 0	...	16,336 1 11	84 13 7	...	209 6 0	...	
Furreedpore	81,311 6 0	9,540 3 0	...	882 3 0	...	10,422 6 0	...	...	15 0 0	...	
Backergunge	46,325 12 4	62,957 2 0	...	...	261 14 0	63,219 0 0	61 0 7	...	721 0 0	...	
Mymensingh	21,308 1 3	31,269 1 1	...	3,285 0 0	...	34,554 1 1	58 4 0	...	1,095 2 8	...	
Fippera	52,759 9 1	19,451 10 3	...	119 0 0	13 0 0	19,583 10 3	2,128 10 0	...	493 12 0	...	
Chittagong	30,270 7 9	...	...	...	491 4 9	491 4 9	43 3 7	...	1,293 4 10	2,225 0 0	
Coakholly	14,154 1 9	17,593 13 4	...	297 0 0	...	17,890 13 4	390 1 2	...	180 4 0	...	
Patna	73,454 1 6	10,680 15 2	...	777 8 0	...	11,458 7 2	142 13 0	487 5 4	6,053 5 4	...	
Patna	73,881 15 9	11,899 1 6	5 2 0	5,762 7 0	400 0 0	18,066 10 6	64 12 0	1,534 12 9	63 7 6	...	
Shahabad	67,026 4 9	17,457 6 6	...	672 8 0	65 0 0	18,064 14 6	...	...	2,247 7 7	...	
Soanerpore	98,002 3 5	11,971 15 9	...	266 2 1	...	12,238 1 10	22 0 11	...	3,890 6 0	...	
Durbhunga	75,785 1 1	28,613 4 7	...	261 4 0	...	28,907 8 7	4 12 6	...	5,419 13 11	...	
Baran	28,785 6 2	12,548 12 10	...	176 8 0	183 8 0	12,908 12 10	1 4 0	312 0 0	12,648 7 5	...	
Thumparun	1,45,551 3 6	17,268 5 10	...	238 0 0	...	17,506 5 10	...	...	10,309 15 1	...	
Monghyr	64,600 10 11	23,390 6 10	...	1,951 9 0	...	25,341 15 10	12 13 0	950 0 0	3,589 12 8	...	
Shahapur	30,602 4 9	17,842 14 1	...	268 0 6	...	18,110 14 7	72 4 0	...	1,846 3 10	...	
Burneah	64,547 1 3	16,696 7 9	...	1,736 4 0	18 4 0	18,430 15 9	16 10 0	...	233 5 3	...	
Maldah	37,985 10 11	5,916 12 3	...	993 5 4	...	6,910 1 7	...	...	4,824 7 6	...	
Cuttack	24,196 4 10	5,205 10 1	...	436 8 0	...	5,642 2 1	...	...	692 12 0	...	
Booree	11,901 5 0	119 5 4	...	16 8 0	...	135 13 4	...	...	...	...	
Baluore	4,548 14 6	3,444 4 1	...	127 13 0	...	3,572 1 1	...	...	485 5 4	...	
Lazaribagh	27,453 7 1	6,840 1 11	329 13 0	229 0 6	75 12 3	7,474 11 8	812 3 6	...	...	...	
Chohardugga	715 5 1	...	...	...	88 12 0	88 12 0	...	...	...	...	
Sanbhoom	20,748 3 5	9,452 12 10	1 9 0	1,530 11 0	...	10,985 0 10	...	...	848 8 0	...	
Total	18,29,075 0 5	6,19,826 12	23,266 14 6	56,338 9	82,659 12 0	6,82,092 0 4	4,334 10 1	15,801 13 10	96,519 13 6	3,250 0 0	
Barjeeling	21,177 4 9	...	...	...	...	...	...	...	17 0 0	...	
Chittagong Hill Tracts	7,240 0 7	...	...	...	...	...	...	...	...	...	
Chonthal Pergunnahs	1,08,646 4 7	...	...	...	...	...	0 4 10	...	...	...	
Ingbhoom	2,787 11 2	...	...	...	...	...	...	...	...	...	
Total	1,39,851 5 1	...	...	...	...	...	0 4 10	...	17 0 0	...	
GRAND TOTAL	19,68,926 5 6	6,19,826 12	23,266 14 6	56,338 9	82,659 12 0	6,82,092 0 4	4,334 14 11	15,801 13 10	96,536 13 6	3,250 0 0	

FORT WILLIAM,

22nd December 1877.

\* Difference of one pie between the closing balance of the last quarter and Of the total expenditure on works and repairs, or Rs. 8,27,587-15-

## ROAD FUND.

(Road) Committees for the 4th Quarter of the Cess Year 1876-77.

September 1877.

I P T S.										REMARK
TOLLS.										
Total.	Grants-in-aid from Provincial Reserve Fund.	Produce and Stores.	Fines and Refunds.	Miscellaneous.	Total Receipts.	Total including Balance.	Outlay.	Balance on 30th September 1877.		
Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.		
7,554 13 0	...	11 14 6	...	1,234 12 0	37,427 2 6	75,015 12 7	36,709 7 1	38,306 5 6	ason of balance d in the y Abstract	
1,065 8 0	...	2 5 6	...	321 8 6	6,831 3 0	19,023 8 2	4,648 6 1	14,375 2 1		
3,984 11 6	...	...	...	27 0 0	17,106 0 10	53,620 12 1	23,158 3 4	30,462 8 9		
1,741 10 7	...	9 9 0	...	0 4 0	39,462 0 0	1,01,574 0 5	52,616 6 8	48,957 9 9		
4,540 12 0	...	21 9 0	...	26 0 0	35,609 12 6	83,645 1 1	50,628 8 0	38,016 9 1		
6,799 4 3	...	169 11 3	...	87 12 3	35,483 2 8	1,05,958 7 7	77,699 10 2	28,258 13 5		
8,811 0 0	...	...	...	219 0 3	30,633 2 11	48,966 14 0	43,379 6 11	5,587 7 1		
1,670 13 0	...	171 8 0	5 0 0	279 1 3	27,430 9 10	45,860 8 11	30,350 6 11	15,510 2 0		
3,358 5 0	...	32 10 3	1 8 0	21 0 0	21,304 8 10	58,152 14 7	30,223 14 8	27,928 15 11		
3,017 8 0	...	...	...	162 5 0	23,268 8 9	96,546 14 8	13,521 1 8	83,025 13 0		
1,399 1 11	...	682 0 0	200 0 0	379 11 11	15,569 7 9	1,28,725 14 1	20,147 14 1	1,08,578 0 0		
6,476 13 3	...	168 11 6	3 0 0	87 6 6	32,567 13 1	1,27,975 8 5	52,376 4 6	76,599 3 11		
1,214 10 3	...	...	...	364 0 0	16,414 14 7	57,567 2 5	9,983 15 1	47,583 3 4		
72 0 0	...	...	...	1 12 0	12,953 2 9	33,167 3 4	9,810 10 2	23,356 9 2		
1,164 7 7	...	6 0 0	5 0 0	...	9,360 12 3	34,060 7 10	8,447 2 8	25,613 5 2		
209 6 0	...	...	...	242 10 0	16,872 15 6	1,02,965 15 7	12,692 0 11	90,273 14 8		
15 0 0	...	...	...	681 3 8	11,118 9 8	92,429 15 8	16,039 10 1	76,390 5 7		
721 0 0	...	9 15 3	...	230 7 1	64,241 6 11	1,10,567 3 3	13,032 9 6	97,534 9 9		
1,095 2 8	...	266 4 0	...	208 13 0	36,177 8 9	57,485 10 0	44,845 3 10	12,640 6 2		
493 12 0	...	2 8 0	...	353 10 3	22,562 2 6	75,321 11 7	33,203 4 8	42,118 6 11		
3,518 4 10	...	25 7 0	...	23 0 4	4,101 4 6	26,160 3 3	16,253 0 3	42,422 3 6		
180 4 0	...	...	...	6 4 0	18,467 6 6	32,621 8 3	20,985 2 6	11,636 5 9		
6,540 10 8	...	45 0 0	...	225 10 0	18,412 8 10	91,866 10 4	37,610 13 4	54,255 18 0		
1,598 4 3	...	...	...	3 0 0	19,732 10 9	93,614 10 6	22,267 10 10	71,346 15 8		
2,247 7 7	...	...	...	261 3 3	20,573 9 4	87,599 14 1	76,786 15 9	10,812 14 4		
3,890 6 0	...	...	176 0 0	263 8 0	16,590 0 9	1,15,192 4 2	52,067 11 6	62,224 8 8		
5,449 13 11	...	...	...	195 0 0	34,557 3 0	1,10,342 4 1	13,206 8 6	97,135 11 7		
12,960 7 5	...	...	...	257 1 0	26,127 9 3	54,912 15 5	27,909 0 1	27,003 15 4		
10,309 15 1	...	544 0 0	...	...	28,360 4 11	1,73,911 8 5	50,534 10 6	1,23,376 13 11		
4,539 12 8	...	300 6 2	...	3 4 0	30,198 3 8	94,798 14 7	29,438 10 7	65,360 4 0		
1,846 3 10	...	...	...	191 13 6	20,221 3 11	50,823 8 8	29,064 2 3	21,759 6 5		
233 5 3	...	135 5 0	5 8 0	...	18,908 8 0	83,355 9 3	26,323 15 8	57,031 9 7		
4,824 7 6	...	10 10 6	0 8 0	11 4 0	11,756 15 7	49,742 10 6	8,510 10 6	41,232 0 0		
692 12 0	...	154 7 0	...	64 7 3	6,553 12 4	30,750 1 2	23,439 4 6	7,310 12 8		
...	...	...	...	3 0 0	138 3 4	12,039 8 4	7,892 11 0	4,146 13 4		
485 5 4	...	...	0 10 0	116 0 0	4,173 6 5	8,722 4 11	5,606 7 2	3,115 13 9		
...	...	...	...	...	8,286 15 2	35,740 6 3	17,847 6 8	17,892 15 7		
...	...	...	...	...	88 13 0	626 9 1	3,915 15 7	4,542 8 8		
848 8 0	...	...	...	112 15 0	11,946 7 10	32,694 11 3	8,199 9 4	24,495 1 11	ation of balance been furn this ement of the ber last.	
1,15,571 11 4	...	2,769 13 11	385 14 0	6,336 2 0	8,11,490 3 8	26,40,565 4 1	10,62,274 9 6	15,78,290 10 7		
17 0 0	...	70 4 4	...	3,821 5 6	3,908 9 10	25,085 14 7	13,939 15 9	11,145 14 10		
...	...	...	...	...	...	7,240 0 7	2,359 9 0	4,880 7 7		
...	...	...	...	9 8 0	9 3 2	1,08,637 1 5	10,603 6 9	98,033 10 8		
...	...	...	...	...	...	2,787 11 2	1,312 6 10	1,475 4 4		
17 0 0	...	70 4 4	...	3,811 13 6	3,899 6 8	1,43,750 11 9	28,215 6 4	1,15,535 5 5		
1,15,588 11 4	...	2,840 2 3	385 14 0	10,147 15 6	8,15,389 10 4	27,84,315 15 10	10,90,489 15 10	16,93,826 0 0		

The portion incurred through the Public Works Department, was Rs. 7,975-1-6.

F. R. BOYCE,

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 12th January 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIVN.</b>	1 Burdwan. Jan. 12 '78	Nil	The reaping of the <i>amun</i> crop is over. Fever is very prevalent in the Jehanabad and Bood-Bood sub-divisions. Cholera has broken out in the interior of the Culna and Cutwa sub-divisions and in the Sudder station of Burdwan.
	2 Bankoora. " 12 "	Nil	Weather—cold, and during the latter half of the week sky-laden and heavy in the morning as if rain were about to fall. All the growing crops continue to promise well.
	3 Beerbhoom. " 12 "	0.06	The sky has been cloudy during the greater part of the week. No change to report in the state and prospects of the crops.
	4 Midnapore ... ..	.....	Return not received.
	5 Hooghly. " 12 "	Nil	Weather—seasonable. The late rice harvest is very nearly over. The <i>rubbee</i> crops in the ground are doing well. Sugarcane is being pressed. No change in the state of public health since last week.
<b>PRESIDENCY DIVN.</b>	Howrah. " 14 "	Nil	There are signs of rain. The <i>amun</i> harvest is nearly complete. <i>Boro dhan</i> is being planted, the late rain facilitated this. General health has improved.
	<i>Central Districts.</i>		
	6 24-Pargunnas. Jan. 12 '78	Nil	Weather—very cold in the first part of the week; latterly cloudy and warmer. State and prospects of the crops are good. Cholera and fever are abating. Cattle disease is reported from Kalaroa in Satkhira sub-division.
	7 Nuddea. " 12 "	Nil	Weather—cold at the beginning of the week. Prospects of the cold-weather crops are reported good. Cholera is said to be fast abating in Kooshtea, though it is still prevalent in Bongong sub-division.
	8 Jessore. " 12 "	Nil	Weather—seasonable. Prospects of the winter crops are favorable. Fever is abating.
<b>RAJSHAHYE AND COCH BEHAR DIVN.</b>	9 Moorshedabad. " 12 "	Nil	Weather—cold. The prospects of the crops are the same as reported last week. The reaping of the <i>amun</i> rice is nearly finished. Rain would do good to the <i>rubbee</i> and <i>boro dhan</i> . Fever and cholera are on the decrease, except in Burwa and Bhurutpore.
	10 Dinagepore. " 11 "	Nil	Weather—cold, with slight mists. The <i>amun</i> crop is cut in most places; the outturn is good. Rice is selling at from 20 to 25 seers the rupee.
	11 Rajshahye. " 12 "	Nil	The weather has been cold, but is now warmer. Some slight rain fell in parts of the district on the 11th instant. The winter rice crop is still being harvested. The <i>rubbee</i> prospects are good. Cholera has abated. Fever is still prevalent.
	12 Kungpore. " 11 "	Nil	Weather—seasonable. The rice harvest is completed; other crops are favorable. Cholera here and there.
	13 Bogra. " 12 "	Nil	Weather—very cold. Clouds gathered on the 12th instant. Nearly three-fourths of the <i>amun</i> have been gathered with very fair results. The reaping of <i>kalai</i> and mustard has commenced.
	14 Puna. " 12 "	Nil	Weather—seasonably cool. The harvesting of <i>amun dhan</i> is not yet over. <i>Muller</i> , <i>khesari</i> , <i>mussoor</i> , <i>cheena</i> , and <i>masina</i> promise a good outturn. The harvesting of <i>kuldi</i> and sugarcane has commenced. Fever and cholera have abated.
	15 Darjeeling. " 11 "	Nil	Very chilly, misty weather. The winter rice crop has yielded a good return. The minor crops of <i>kalai</i> and the millets are doing well.
<b>RAJSHAHYE AND COCH BEHAR DIVN.</b>	16 Julpigoree. " 12 "	Nil	Weather—seasonable. The harvesting of the winter rice is nearly completed; the outturn of the crop is good. The prospects of other crops are satisfactory. Health of the town of Julpigoree has improved. Fever has almost disappeared.
	Cooch Behar. " 10 "	Nil	Weather—very cold and chilly, with heavy fogs in the morning. For many years the weather was not so cold as it has been during the last week. The gathering of the <i>haimuli dhan</i> is almost finished; the price of new rice has risen from Rs 2-6 to Rs. 2-12 per maund. The prospects of tobacco, mustard-seeds, and other winter crops are satisfactory. A little rain would do them good. In some places the west wind which blew on the 1st January partially injured the leaves of tobacco. Fever is still prevalent in many parts of the State.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.</i>			
Dacca Divn.	17 Dacca, Jan. 12 '78	Nil	Weather—cool and seasonable. State and prospects of the crops are favorable.
	18 Furreedpore, „ 12 „	Nil	Weather—clear and cold. The harvesting of the winter rice crop is being completed. The prospects of the spring crops are so far good, but rain is required. There are still many cases of fever remaining in different parts of the district, but no fresh outbreaks are reported.
	19 Backergunge, „ 10 „	Nil	Weather—cold. The reaping of <i>aman</i> rice has nearly been finished, and the average yield of the entire district is estimated at 14 annas of a full crop. The health of the people is remarkably good for the season of year. The cattle are extremely healthy everywhere.
	20 Mymensingh, „ 11 „	Nil	Weather—fine and cold. State and prospects of the crops are favourable.
	21 Tipperah, „ 11 „	Nil	Weather—cold and bright. The prospects of rice and other crops are good.
Chittagong Divn.	22 Chittagong, „ 10 „	Nil	Weather—cold and fine. The <i>aman</i> crop is ten annas. Chillies, tobacco, <i>sakarkund</i> , &c., are doing well. People in the north are prosperous. Prospects are good.
	23 Noakholly, „ 10 „	Nil	Weather—very cold. The reaping of the <i>aman</i> crop continues. Prospects are fair. Public health is good.
	24 Chittagong Hill Tracts, „ 8 „	0.7	Weather—extremely cold after the rain on the 1st instant. The gathering of the cotton crop is nearly over; the outturn is said to be below the average. The prospects of both mustard and tobacco are good. Cattle disease is reported as prevailing in Gurjania in Cox's Bazar sub-division and in Chingri Valley.
	Hill Tipperah, „ 9 „	Nil	Weather—quite dry. No change in the prospects of the cold weather crops.
<b>BEHAR.</b>			
Patna Division.	25 Patna, Jan. 12 '78	0.50	Weather—seasonably cold. The harvesting of rice has nearly been finished. Prospects of the <i>rubbee</i> crops have much improved owing to the rainfall on the night of the 10th instant. Health is good.
	26 Gya, „ 12 „	0.20	A spell of rainy weather seems to have begun. Maximum thermometer in the shade 73°F. The prospects of crops on the ground are good. In Jehanabad the probable <i>khurreef</i> outturn is reported to be an average of 8 annas. No report from Aurangabad yet. There were rain and stormy weather in Jehanabad on the 11th instant, but no figures are given. The returns from other sub-divisions are dated the 10th.
	27 Shahabad, „ 12 „	0.95	Weather—warmer and damper since the rain. The excessive cold during the early part of the week is said to have damaged the <i>rubbee</i> crops in Buxar. The rain which fell in the past week materially benefitted the crops in other parts of the district, and the recent rain will have had a similar beneficial effect.
	28 Durbhunga, „ 12 „	Nil	Weather—very cold. Prospects of the <i>rubbee</i> crops are favorable. Mustard is looking well. <i>Rahur</i> has suffered a little from this week's excessive cold.
	29 Mozufferpore, „ 12 „	Nil	Weather—very cold; cloudy at the end of the week; white frost for two or three mornings in the Sudder sub-division. <i>Rahur</i> and peas have been a little injured; other <i>rubbee</i> crops are doing well. In Hajeehpore sub-division tobacco crop has suffered to a certain extent by the frost. No report received from Seetamurhee. The prices of food-grains are stationary.
	30 Saran, „ 12 „	0.21 Sewan 0.10	Weather—very cold at the commencement of the week, the thermometer going down to 41° at night. The weather changed on the afternoon of the 10th instant, when about a quarter of an inch of rain fell. The wind is now blowing from the east, and more rain may be hoped for. The prospects of the <i>rubbee</i> crops have been greatly improved by the timely rain. Wheat, barley, &c., are in ear. The sowings of poppy have been completed in all parts of the district, and the young plants are looking healthy. Prices are stationary. Public health is good.
Bhagulpore Divn.	31 Champaran, „ 12 „	0.08	Weather—very cold, with occasional fogs; cloudy. No change in the prospects of the crops; the condition of the <i>rubbee</i> crops is promising.
	32 Monghyr, „ 12 „	0.08	Weather—cloudy, with east wind and slight rain. The prospects of the crops have been much improved by the late rain and the present weather.
	33 Bhagulpore, „ 12 „	0.10	Weather—clear and very cold during the first part of the week; slight rain on the night of the 10th instant; cloudy since. Prospects are much the same as in the last week. Rain is still wanted for the <i>rubbee</i> crops, especially in the north of the district. Prices continue high, with brisk export by rail. General health is very good.
	34 Purneah, „ 12 „	Nil	Weather—very cold and frosty in the early part of the week. The prospects continue fair, though the tobacco is said to have been injured by frost.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Continued.)</b>			
BHAGULPORE DIVN.	35 Maldah, Jan. 12 '78	Nil	Weather—fair and very cold. Thermometer registered 43°; 11th and 12th were cloudy and threatening rain. State and prospects of the crops continue to be satisfactory. One case of cholera has been reported, and fever is still very prevalent and fatal.
	36 Sonthal Perga., „ 13 „	0.20	Weather—very clear and cold in the early part of the week. Sudden change on the 10th, resulting in some rain. No change in the state and prospects of the crops since last report.
<b>ORISSA.</b>			
ORISSA DIVN.	37 Cuttack, Jan. 12 '78	0.12	Weather—less cold than last week and cloudy at times. There was slight rain on the 8th. The <i>sarad</i> and <i>rubbee</i> crops are being reaped. The sowings of <i>dalua</i> rice have commenced. Public health is fairly good.
	38 Pooree „ 10 „	Nil	Weather—warm for the season, but cloudy in the morning. The <i>sarad</i> rice crop is still being harvested. Sugarcane is being cut. The miscellaneous crops of <i>moong</i> , <i>arkur</i> , <i>kalai</i> , &c., are promising. The prospects of the <i>dalua</i> paddy crop are fair. Exportation still continues to the Madras Presidency. <i>Mandia</i> crop in the salt tracts is failing for want of rain. Public health is good.
	39 Balasore „ 11 „	Nil	Weather—cloudy and warmer than last week. The winter crops are doing well. Public health is on the whole good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
40	Hazareebagh, Jan. 11 '78	Nil	Weather—seasonable; very cold. The <i>rubbee</i> crops have improved by the late rain; more is still wanted. The poppy cultivation is very backward. Sugarcane is very good. The area of land under <i>rubbee</i> is below the average, owing to want of rain in the latter end of 1877.
41	Lohardugga „ 12 „	Traces of rain.	No rain fell in the head-quarters division during the week, except a light shower in the extreme west, but the crops of wheat, <i>arkur</i> , grain, and mustard now in the ground hardly require more rain. The prospects are tolerable. From Palamow 1.08 of rain is reported under date the 8th instant, and the prospects are said to be good on the whole. Public health is good.
42	Singbhoom „ 11 „	Nil	Weather—cloudy. Nothing to report on about the crops.
43	Manbhoom „ 12 „	Nil	The weather has been very cold, but heavy clouds have come up the last day or two. In the Sudder station there is nothing new to report about the crops. No reports have been received from Govindpore.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 15th January 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 23rd Dec. to 29th 1877.	Rain from 30th Dec. to 31st 1877.	RAIN FROM 1st JANUARY 1877.		REMARKS.
			Inches.	Inches.	Inches.	Up to date.	
BENGAL.							
BURDWAR.	WESTERN DISTRICTS.	Burdwan ...	Nil	0.13	50.53	31st Dec.	
		Cutwa ...	ditto	0.40	63.19	ditto	
	Burdwan ...	Culna ...	ditto	0.35	53.17	ditto	
		Bood-Bood ...	ditto	1.20	49.01	ditto	
		Raneegunge ...	ditto	0.02	58.15	ditto	
		Jehanabad ...	ditto	0.04	79.38	ditto	
	Bankoora ...	Bankoora ...	ditto	0.20	54.83	ditto	
	Beerbhoom ...	Sooree ...	ditto	0.41	57.50	ditto	
		Hetampore ...	ditto	0.15	58.19	ditto	
		Roypore ...	ditto	0.21	53.63	ditto	
	Midnapore ...	Midnapore ...	ditto	3.43	49.38	ditto	
		Tumlook ...	ditto	Nil	43.90	ditto	
		Ghattal ...	ditto	ditto	63.61	ditto	
	Hooghly ...	Contai... { Dy. Collr.'s Office...	ditto	ditto	75.52	ditto	
		Exe. Engr.'s Office	ditto	Not recd.	64.98	29th Dec.	
		Hooghly ...	ditto	1.40	56.37	31st Dec.	
	Howrah ...	Serampore ...	ditto	Nil	55.85	ditto	
		Howrah ...	ditto	ditto	61.80	ditto	
Maheshwara ...	Maheshwara ...	ditto	ditto	61.05	ditto		
PRESIDENCY.	CENTRAL DISTRICTS.	Saugor Island ...	ditto	ditto	74.64	ditto	
		Calcutta ...	Not recd.	Not recd.	61.24	15th Dec.	
	24-Pergunnahs ...	Alipore ... { Dispensary	Nil	Nil	61.80	31st Dec.	
		Jail	ditto	ditto	63.53	ditto	
		Busseerhat ...	ditto	ditto	60.19	ditto	
		Baraset ...	ditto	ditto	56.23	ditto	
		Diamond Harbour ...	ditto	ditto	60.71	ditto	
		Barrapore ...	ditto	ditto	72.67	ditto	
		Satkhira ...	ditto	ditto	75.16	ditto	
		Barrackpore ...	ditto	ditto	57.43	ditto	
		Dum-Dum ...	ditto	ditto	54.93	ditto	
		Kishnaghar ...	ditto	0.55	70.31	ditto	
	Nuddea ...	Bongong ...	ditto	1.20	76.97	ditto	
		Meherpore ...	ditto	0.82	74.63	ditto	
		Choodanga ...	ditto	0.15	74.60	ditto	
		Kooshita ...	ditto	1.25	97.94	ditto	
		Ranaghat ...	ditto	0.65	61.89	ditto	
		Jessore ...	ditto	Nil	68.14	ditto	
		Narail ...	ditto	ditto	71.59	ditto	
		Khoolna ...	ditto	ditto	73.62	ditto	
		Jhenida ...	ditto	0.20	74.45	ditto	
		Bagulhat ...	ditto	Nil	77.44	ditto	
	Jessore ...	Magoorah ...	ditto	0.07	81.38	ditto	
		Berhampore ...	ditto	0.34	63.49	ditto	Not recd. 23rd to 29th December.
		Rampur Haut ...	Not recd.	0.16	60.76	ditto	Ditto ditto.
		Lallbagh ...	ditto	0.30	65.27	ditto	
		Jungpore ...	Nil	0.37	52.78	ditto	
		Azingunge ...	Not recd.	0.30	63.76	ditto	Ditto ditto.
		Lallgolla ...	Nil	0.33	55.04	ditto	
		Kandee ...	Not recd.	1.30	63.71	ditto	Ditto ditto.
		Dinapore ...	Nil	0.10	66.87	ditto	
		Raigunge ...	ditto	0.09	58.74	ditto	
	Maldah ...	Maldah ...	ditto	0.39	73.88	ditto	
		Chanchal ...	ditto	Nil	54.11	ditto	
		Banleah ...	ditto	0.19	78.02	ditto	
	Rajshahye ...	Nattore ...	ditto	0.20	80.91	ditto	
Rungpore ...		ditto	0.07	91.03	ditto		
Bhabanigunge ...		ditto	Nil	64.88	ditto		
Rungpore ...	Kurigram ...	ditto	0.20	80.08	ditto		
	Bagdogra ...	ditto	Nil	24.21	ditto	Not recorded 3rd June to 3rd November.	
Bogra ...	Bogra ...	ditto	0.62	75.90	ditto		
	Sherpote ...	ditto	0.60	70.11	ditto		
	Nowkhilla ...	ditto	0.45	76.20	ditto		
	Panchabibi ...	ditto	Nil	54.88	ditto		
	Halulya ...	ditto	Not recd.	61.61	29th Dec.	Not recorded 9th to 15th September, and not recd. 16th to 22nd December.	
COOCH BEHAR.	Pubna ...	Pubna ...	ditto	0.55	98.96	31st Dec.	
		Serajung ...	ditto	Nil	78.37	ditto	
	Darjeeling ...	Darjeeling... { Telegraph Office	ditto	0.25	96.84	ditto	
		Hospital	ditto	Nil	105.64	ditto	
	Julpigoree ...	Julpigoree ...	ditto	ditto	94.33	ditto	
		Bodah ...	ditto	ditto	97.28	ditto	
		Buxa—Civil Surgeon's Office	ditto	ditto	185.38	ditto	
		Titalya ...	ditto	ditto	86.25	ditto	
	Cooch Behar Tribu- tary States.	Cooch Behar ...	ditto	ditto	107.48	ditto	

DIVISION.	DISTRICTS.	STATIONS.	Rain from 23rd to 29th Dec. 1877.	Rain from 30th Dec. to 31st Dec. 1877.	RAIN FROM 1ST JANUARY 1877.		REMARKS.		
					Inches.	Up to date.			
BENGAL—continued.									
DACCA.	EASTERN DISTRICTS.		Inches.	Inches.	1877.				
	Dacca	Dacca... { Telegraph Office... Nil 0.03 85.34 31st Dec.	Dacca... { Hospital ... ditto 0.08 88.07 ditto						
		Moonsheegunge ... ditto 0.22 126.00 ditto	Manickgunge ... ditto 0.28 80.65 ditto						
		Furzedpore	Furzedpore ... ditto 0.30 96.72 ditto	Goalundo ... ditto 0.42 88.93 ditto	Madanpore ... ditto Nil 90.11 ditto				
	Backergunge	Burrisal ... Not recd. ditto 88.01 ditto ... Not recd. 16th to 20th December.	Perozepore ... ditto ditto 91.38 ditto ... Ditto ditto.	Patoonkhally ... ditto ditto 101.31 ditto ... Ditto ditto.	Bhola ... ditto ditto 95.82 ditto ... From 4th February, and ditto.				
		Mymensingh	Mymensingh ... Nil 0.46 115.32 ditto	Jamulpore ... ditto 0.4 89.80 ditto	Atia ... ditto 0.65 88.70 ditto	Kishoregunge ... ditto Nil 95.13 ditto			
			Chittagong	Chittagong { Telegraph Office ditto ditto 111.90 ditto	Jail ... ditto ditto 124.98 ditto	Cox's Bazar ... ditto ditto 148.52 ditto			
				Nonkhally	Noakhally ... ditto ditto 122.17 ditto	Fenny ... ditto ditto 128.67 ditto			
	Tipperah				Comillah ... ditto ditto 103.70 ditto	Brakmunbariah ... ditto ditto 91.29 ditto			
		Chittagong Tracts.	Hill Bungamatee Hill... ditto ditto 133.06 ditto						
	Hill Tipperah		Hill Tipperah ... ditto ditto 83.87 ditto						
	BEHAR.								
	PATNA.	Patna	Patna ... ditto 0.72 31.81 ditto	Behar ... ditto 0.53 43.77 ditto	Barh ... ditto 0.16 40.35 ditto	Dinapore ... { Jail ... ditto Not recd. 21.42 29th Dec.	Dinapore ... { Cantonment... ditto 0.84 24.02 31st Dec.		
			Gya	Gya ... ditto 0.67 44.28 ditto	Nowdah ... ditto 0.98 46.77 ditto	Aurangabad ... ditto 1.00 28.77 ditto	Jehanabad ... ditto 0.80 27.33 ditto		Not recorded 18th to 21th September.
Shahabad				Atrah ... ditto 0.12 28.69 ditto	Sasaram ... ditto 0.45 27.25 ditto	Buxar ... ditto 0.42 22.72 ditto	Bhuboonh ... ditto 2.10 29.11 ditto		Not recorded 12th January and 4th to 10th February.
				Muzafferpore	Muzafferpore ... ditto 0.95 28.33 ditto	Hajepore ... Not recd. Not recd. 40.35 27th Oct.	Sectanurhee ... ditto ditto 31.49 15th Dec.		
		Durbhunga	Durbhunga ... 0.57 ditto 51.21 29th Dec.		Mudhoobunnee ... Nil ditto 48.59 ditto	Tappore ... ditto ditto 32.14 ditto			
			Saran		Chupra ... ditto 0.83 27.52 31st Dec.	Sewan ... ditto Nil 31.45 ditto			
Chumparanu				Motiharee ... ditto 0.25 27.73 ditto	Bettiah ... ditto 0.19 35.85 ditto	Segowhe ... ditto 0.33 38.06 ditto			
		Monghyr	Monghyr ... ditto Not recd. 39.48 20th Dec.	Begowsera ... ditto ditto 33.14 ditto	Jamooce ... ditto ditto 33.80 ditto				
			Bhagulpore	Bhagulpore ... ditto 0.26 51.41 31st Dec.	Scoopool ... ditto 0.41 45.02 ditto	Muddehpooa ... ditto 0.60 51.19 ditto	Banka ... ditto 1.01 46.46 ditto	Sonbursa ... ditto Nil 40.10 ditto	
Purneah				Purneah ... ditto 0.05 55.60 ditto	Kisengunge ... ditto Nil 65.94 ditto	Arrareah ... ditto 0.14 61.24 ditto			
		Sonthal Pergunnahs...		Nya Doonka ... Not recd. 1.64 64.98 ditto ... Not received 23rd to 29th December.	Rajmohal ... ditto Nil 55.30 ditto ... Ditto ditto.	Deoghur ... ditto 1.98 67.22 ditto ... Ditto ditto.	Godda ... ditto 0.39 44.48 ditto ... Ditto ditto.		

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 23rd to 29th Dec. 1877.	Rain from 30th to 31st Dec. 1877.	RAIN FROM 1ST JANUARY 1877.		REMARKS.
			Inches.	Inches.	Inches.	Up to date	
ORISSA.			Inches.	Inches.		1877.	
ORISSA.	Cuttack	Cuttack .. { Telegraph Office	Nil	Nil	38.40	31st Dec.	
		.. { Hospital	ditto	ditto	41.13	ditto	
		Jaggrie	ditto	ditto	53.55	ditto	
		Kendraparah	ditto	ditto	50.63	ditto	
		Jagatsingapore	ditto	ditto	37.45	ditto	
	Pooree	False Point	ditto	ditto	80.20	di to	
		Pooree	ditto	Not recd	35.15	29th Dec.	
	Khurdah	Khurdah	ditto	ditto	42.67	ditto	
		Balasore—Collector's Office	ditto	Nil	66.72	31st Dec.	
	Balasore	Bhadrack	ditto	ditto	55.94	ditto	
		Jellasore	ditto	ditto	66.11	ditto	
		Sorah	ditto	ditto	51.83	ditto	
		Chandbally	ditto	ditto	54.34	ditto	
	Cuttack Tributary Mehala.	Sumbalpoore	ditto	Not recd.	67.61	29th Dec.	
CHOTA NAGPORE.							
SOUTH-WESTERN FRONTIER AGENCY.							
Hazareebagh	Hazareebagh...	{ Jail	ditto	0.80	45.54	31st Dec.	
		{ Dispensary	ditto	0.61	47.00	ditto	
Lohardugga	Pachamba	ditto	1.14	40.51	ditto		
	Ranchhe	ditto	0.81	50.28	ditto		
Singbhoom	Palanow	ditto	1.08	50.71	ditto		
	Chyebassa	ditto	Nil	67.76	ditto		
Manbhoom	Purula	ditto	0.18	61.71	ditto		
	Govindpoore	ditto	0.83	43.21	ditto		
ASSAM & ADJA- CENT HILLS.							
Sylhet	Sylhet	ditto	0.65	167.22	ditto		
Sibsagar	Sibsagar	ditto	Not recd	92.53	23th Dec.		
	Golaghat	ditto	ditto	72.61	ditto		
	Jorhat	ditto	ditto	72.20	ditto		
	Deopanne	ditto	0.14	82.55	31st Dec.		
	Hattie Pootie	ditto	0.10	78.20	ditto		
	Mazengah	ditto	0.13	63.61	ditto		
	Nazira	ditto	0.06	67.53	ditto		
	Suntock	0.05	0.15	83.58	ditto		
	Chendeo	0.05	0.21	77.97	ditto		
Rajpootana	Akyao	Nil	Nil	141.41	ditto		
	Alwar	ditto	ditto	5.70	ditto		
	Jaipur	ditto	ditto	10.66	ditto		
	Sambhar	ditto	ditto	10.05	ditto		

JOHN ELIOT, M.A.,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,

The 12th January 1878



## Meteorological Telegraphic Report for the period 6th to 12th Jan. 1878.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
ALIPORE.	Jan. 6th	10	30.147	30.170	63.6	53.2	45	S W by W	2.3	.....	.....	b
		16	30.039	30.061	70.2	55.7	35	S W by W	5.5	.....	.....	b
	7th	10	30.194	30.217	62.7	52.8	47	W by N	1.5	.....	.....	b
		16	30.087	30.089	70.9	56.8	37	N N W	3.0	.....	C	b
	8th	10	30.148	30.169	61.5	56.8	60	N W by N	1.0	.....	.....	b
		16	30.032	30.054	72.0	61.0	46	N W by W	3.3	.....	CK, FK	b
	9th	10	30.182	30.204	66.9	59.5	62	N by E	3.5	.....	.....	b
		16	30.041	30.063	74.0	62.7	50	N by E	4.8	.....	K	b
	10th	10	30.189	30.211	65.0	56.8	58	E	5.3	.....	C, CS	b
		16	30.073	30.095	74.0	63.7	54	S W by S	4.0	.....	P, FK	b
	11th	10	30.238	30.261	61.0	57.1	63	E by S	4.0	.....	P	b, g
		16	30.104	30.126	77.2	67.3	57	W by N	3.3	.....	PK, CK	b
SAGOR ISLAND.	12th	10	30.209	30.231	72.2	61.7	65	S E by S	4.3	.....	C	b
		16	30.070	30.092	78.0	69.8	65	S W by W	3.0	.....	P	b, g
	6th	10	30.127	30.133	70	58	44	N	6.1	.....	C	b, m
		16	30.036	30.042	72	58	38	N	10.6	.....	.....	b, m
	7th	10	30.177	30.183	68	57	47	N E	5.0	.....	.....	b, m
		16	30.068	30.074	71	60	49	W N W	5.2	.....	C	b, m
	8th	10	30.135	30.141	71	61	53	E N E	4.1	.....	C, CK	b, m
		16	30.032	30.034	72	61	62	S S E	3.9	.....	PK	b, m
	9th	10	30.163	30.169	73	65	63	N N E	3.4	.....	P	b, m
		16	30.048	30.052	74	68	72	W N W	5.0	.....	PK	b, m
	10th	10	30.169	30.175	70	65	75	N E	5.7	.....	P	b, f
		16	30.070	30.076	75	70	77	S S E	7.1	.....	PK	b, m
CHITTAGONG.	11th	10	30.220	30.226	75	70	77	E	6.5	.....	C	b, m
		16	30.104	30.114	75	68	68	S	8.1	.....	C	b, m
	12th	10	30.195	30.201	75	70	77	S	2.9	.....	PK	b, m, f
		16	30.081	30.087	70	70	73	S S E	8.1	.....	PC	b, m
	6th	10	30.043	30.149	62	56	67	N E	4.1	.....	C	b, m
		16	30.076	30.173	61	65	60	N N E	2.7	.....	.....	b, m
	8th	10	30.058	30.154	65	58	63	N N W	4.6	.....	.....	b, m
		16	30.090	30.185	70	60	53	N E	4.9	.....	C	b, m
	10th	10	30.092	30.187	68	58	51	N N E	5.0	.....	C	b, m, o
		16	30.162	30.258	66	59	64	N E	5.0	.....	.....	b, m
	12th	10	30.114	30.209	72	63	58	N E	4.7	.....	.....	b, v
ARIAP.	6th	10	30.070	30.092	67	57	50	N	2.5	.....	C	b
		16	30.111	30.133	68	60	56	N N E	2.3	.....	C	b
	8th	10	30.168	30.130	68	60	69	E N E	1.6	.....	C	b
		16	30.143	30.165	73	63	55	N	1.3	.....	C	b
	10th	10	30.158	30.180	70	60	53	N	1.8	.....	.....	b
		16	30.219	30.211	70	62	61	N N E	1.7	.....	C	b
	12th	10	30.27	30.229	73	65	63	E S E	0.8	.....	C	b
	6th	10	30.045	30.129	73	63	55	E N E	0.7	.....	.....	b
		16	30.083	30.173	71	62	47	E N E	0.8	.....	C	b
	8th	10	30.017	30.100	75	66	60	N E	1.2	.....	.....	b
		16	30.014	30.097	77	70	69	E N E	1.5	.....	C	b
	10th	10	30.076	30.159	76	66	66	N E	2.8	.....	C	b
FALSE POINT.	11th	10	30.129	30.212	80	71	63	S S E	1.4	.....	CK, CK	b
		16	30.115	30.198	80	71	62	S S E	1.4	.....	C, PK	b
	6th	10	30.122	30.138	73	61	58	E	1.9	.....	.....	b
		16	30.171	30.187	74	62	47	E N E	4.7	.....	C	b
	8th	10	30.110	30.155	76	68	64	CALM	2.4	.....	C	b
		16	30.155	30.155	76	70	73	N E	1.9	.....	C, CS, PC	b
	10th	10	30.168	30.184	74	70	81	E N E	5.2	.....	CS, PC, C	b
		16	30.217	30.232	79	72	70	E S E	2.5	.....	C, CS	b
	12th	10	30.187	30.202	78	72	74	CALM	2.2	.....	C, K, CS	b
	6th	10	30.075	30.107	78	68	58	S E	2.1	.....	.....	b
		16	30.119	30.151	79	68	54	S E	1.7	.....	.....	b
	8th	10	30.109	30.141	80	70	58	E	1.3	.....	.....	b
VIZAGAPATAM.		16	30.119	30.151	79	71	66	S by E	1.2	.....	.....	b
	10th	10	30.129	30.161	79	71	66	S E	1.2	.....	.....	b
		16	30.169	30.201	80	71	62	E by S	0.9	.....	.....	b
	12th	10	30.162	30.194	79	70	61	E	1.3	.....	.....	b
	5th	10	30.092	30.095	81	72	62	E by N	11	.....	.....	Cloudy
		16	29.939	29.962	81	72	62	E by N	12	.....	.....	b
	6th	10	30.056	30.079	84	73	57	N E by E	14	.....	.....	b
		16	29.919	29.972	84	73	57	N E	13	.....	.....	b
	7th	10	30.123	30.140	82	72	60	N E	13	.....	.....	b
		16	30.025	30.048	81	71	59	N E by E	12	.....	.....	Cloudy
	8th	10	30.194	30.127	84	74	60	N E by E	12	.....	.....	b
		16	29.984	30.007	83	72	57	N E by E	11	.....	.....	b
MADRAS.	9th	10	30.118	30.111	83	74	63	N E	6	.....	.....	b, c
		16	29.984	30.007	83	74	63	E N E	8	.....	.....	b, c
	10th	10	30.122	30.115	84	74	60	E N E	9	.....	.....	b
		16	30.063	30.023	83	73	60	E by N	9	.....	.....	b
	11th	10	30.158	30.180	85	75	61	E by N	11	.....	.....	b
		16	30.017	30.070	84	74	60	E N E	11	.....	.....	b, c
	6th	10	29.913	29.954	83	81	91	N	9.8	.....	C	b
		16	29.984	30.025	77	80	63	N	4.9	.....	.....	b
	8th	10	29.976	30.017	81	77	83	N E	2.6	.....	C	b
		16	30.023	30.063	82	76	75	S S W	1.9	0.80	C	b
	10th	10	29.998	30.039	81	76	78	N	7.3	.....	.....	b
		16	30.006	30.047	82	75	71	N	3.8	.....	.....	b
COLOMBO.	12th	10	29.976	30.017	80	75	78	N E	5.2	.....	C	b

\* Velocity of wind in miles per hour.

CALCUTTA.  
The 12th January 1878.JOHN ELIOT, M.A.,  
Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th January 1878.

Month.	Date	Maximum in sun.	Mean pressure; barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches.	
Jan.	6th	132°0	30·072	58·2	74·4	27·6	46·8	52·3	0·314	46·2	64	S W by W and S W by S.	57	Nil	Clear, <i>f</i> and <i>w</i> .
"	7th	128·8	·115	57·7	74·6	28·6	46·0	52·1	·318	46·6	67	Till noon N E through W, N W and N; till midnight N N W through N.	50	"	Chiefly clear, <i>f</i> & <i>w</i> .
"	8th	127·2	·073	61·8	72·7	20·7	52·0	56·9	·398	52·6	72	Till 10 A.M. N N W; till midnight S W by W through N W and W.	43	"	Partially cloudy & <i>w</i>
"	9th	127·3	·009	61·1	74·1	18·0	56·1	58·8	·428	54·6	72	Till noon N through W and N W; till midnight E N E through N E.	78	"	Chiefly clear, <i>f</i> and <i>w</i> .
"	10th	141·2	·124	63·3	74·2	21·2	53·0	58·1	·419	51·0	72	Till 3 P.M. S through E and S E; till midnight S W by S.	90	"	Partially cloudy, <i>o</i> , <i>f</i> and <i>w</i> .
"	11th	131·3	·149	65·0	77·7	21·6	56·1	61·2	·482	57·9	76	Till 6 A.M. S; till noon E by N through S E; till midnight W through N E, N and N W.	69	"	Cloudy in the day; night clear, <i>o</i> , <i>g</i> <i>f</i> , and <i>w</i> .
"	12th	139·7	·123	69·1	78·8	18·7	60·1	65·3	·572	62·8	80	Till 2 P.M. S through S W; till midnight S by W.	63	"	Partially cloudy, <i>o</i> , <i>g</i> , <i>f</i> , and <i>w</i> .

The mean pressure of the seven days	...	Inches.	30·108
The average pressure of the corresponding period for 20 years	...	...	30·024
The mean temperature of the seven days	...	☉	62·8
The average temperature of the corresponding period for 20 years	...	...	67·2
The extreme variation of temperature during the seven days	...	...	32·8
The maximum temperature during the seven days	...	...	78·8
The mean relative humidity during the seven days	...	%	72
The average relative humidity of the corresponding period for 25 years	...	...	71
The total fall of rain from 6th to 12th January 1878	...	Inches.	Nil
The average fall of the corresponding period for 25 years	...	...	0·07
The total fall from 1st to 12th January 1878	...	...	Nil
The average fall of the corresponding period for 25 years	...	...	0·11
The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h. and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.			
The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.			
The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.			
The direction and movement of the wind are taken from the trace of a Beckley's anemograph.			
The mouth of the rain-gauge is one foot above the ground.			
<i>f</i> foggy, <i>w</i> dew, <i>o</i> overcast, <i>g</i> gloomy.			

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA,  
The 14th January 1878.

**Abstract of the results of the Meteorological Observations taken at the Alipore  
Observatory in the month of December 1877.**

	Inches.	Date.	Hour.
The mean pressure of the month ... ..	30·022		
The average pressure of 24 years ... ..	30·027		
The highest pressure during the month ... ..	30·174	9th	10h.
The lowest pressure during the month ... ..	29·737	31st	16h.
The range of pressure during the month ... ..	0·437		
<hr/>			
The mean temperature of the month ... ..	66·9		
The average temperature of 24 years ... ..	68·0		
The highest temperature during the month ... ..	83·7	1st	16h.
The lowest temperature during the month ... ..	50·0	16th	6h.
The range of temperature during the month ... ..	33·7		
The mean daily range of temperature during the month ... ..	20·7		
The greatest range of temperature in one day during the month ... ..	25·5	19th	
<hr/>			
The mean humidity during the month ... ..	70		
<hr/>			
The mean vapour tension during the month ... ..	0·466		
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The average humidity of 24 years ... ..	71		
<hr/>			
The average vapour tension of 10 years ... ..	0·475		
The mean cloud proportion of the month ... ..	2·37		
<hr/>			
The total rainfall of the month ... ..	2·36		
The average fall of 49 years ... ..	0·28		
The greatest fall in 24 hours ... ..	2·34	31st	
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The number of rainy days in the month ... ..	3		
The average number of rainy days of 24 years ... ..	Less than one.		
<hr/>			
The mean maximum equilibrium temperature of solar radiation of the month ... ..	134·5		
The mean difference of sun and air temperatures ... ..	56·0		
The greatest sun temperature ... ..	145·6	19th	
The greatest excess of sun over air temperature ... ..	66·7	19th	
The mean temperature of nocturnal radiation thermometer on woollen cloth ... ..	49·0		
The mean depression of nocturnal radiation thermometer below the minimum of air ... ..	8·9		
The greatest depression of nocturnal radiation thermometer below the minimum of air ... ..	13·0	6th	
<hr/>			
The mean movement of the wind per day ... ..	90·8		
The greatest movement of the wind in one day ... ..	154·0	12th	
The greatest movement of the wind in one hour ... ..	15·0	12th	8h.
The number of hours under each of the 8 points—			
N182, NE49, E31, SE7, S30, SW59, W58, NW304, Calm 20.			

HENRY F. BLANFORD,

*Meteorological Reporter, Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 12th January 1878.

The results of the observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently from 1° to 2½° lower; and finally, the thermometer which has furnished the record of temperature at the Surveyor-General's Office during the last twenty years and upwards is found to read 0·6° higher than the Kew standard thermometer, which is the standard of reference at the present observatory.

HENRY F. BLANFORD,

*Meteorological Reporter, Government of India.*

GOVERNMENT OF BENGAL.  
PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

KHURREEP SEASON 1877, COMMENCING ON THE 1ST JUNE 1877.

*Irrigation Operations of Lower Bengal during the month of October 1877.*

Circle.	District.	Canal.	SUPPLY OF WATER IN THE CANALS.				RICE IRRIGATION.				SUGARCANE AND OTHER PERENNIAL CROP IRRIGATION.				RAINFALL.				REMARKS.
			4	5	6	7	8	9	10	11	12	13	14	15	16	17			
Orissa	Cuttack	{ Kendrapara Pattamoodee High Level, Section I. Toldandah Matchgong Total of the month Total of the corresponding month of previous year	1,289	791.69	843	18,444	2,707	21,999	104	1	105	22,104	12,335						(a) The details of column 13 are— Khurreef at Rs. 1-8 each - - - 51,297 Ditto at " 3 " - - - 78 Ditto at " 6 " - - - 2 Total - - - 51,375
			673	306.50	2,414	7,049	467	9,949	13		13	9,962	9,067	222	26.79	52.40			
			1,300	456	1,259	4,750	536	6,536	74	1	75	6,611	2,315						
			650	Not known.	1,221	7,418	3,744	12,353	52		52	12,435	2,195						
					5,731	37,039	7,943	51,375	246	2	248	51,623(a)	25,164						
South-Western	{ Midnapore Howrah Total of the month Total of the corresponding month of previous year	{ Midnapore Panchkoora Total of the month Total of the corresponding month of previous year			14,283	9,736	559	24,555	271	9	279	25,161						Perennial— Sugarcane - - - 146 Garden produce - - - 60 Hulds - - - 3 Brinjals - - - 14 Plantains - - - 6 Nuts (Supari) - - - 2 Betel (Pau) - - - 11 Joker - - - 1 Saru - - - 1 Grand Total - - - 249	
			875	412		3,273	6,069	6,347				8,367	29,231	2.58	36.36	44.75			
			300	112		2,273	390	2,663				2,663	5,906	0.36	17.87	47.77			
						5,551	5,479	11,030				11,030	32,160						
					4,918	27,242		32,160				32,160							Grand Total - - - 31,623
Bengal	{ Shahabad Gya and Patna Total of the month Total of the corresponding month of previous year Grand Total of the corresponding month of previous year	{ Main Western Arrah Patna Total of the month Total of the corresponding month of previous year Grand Total of the corresponding month of previous year	4,342	2,679.32		12,178	3,736	15,912	724	251	975	16,987			3.92	14.57	41.78	(b) The details are— Rice and Indian corn at Re. 1 per acre - - - 83,100 Indigo at Rs. 5 per acre - - - 748 Opium at " 2.9 " - - - 3 Chenna at " 2.8 " - - - 29 Sugarcane at " 5 " per acre - - - 5,570 Garden produce at Rs. 5 per acre - - - 8 Total - - - 90,433	
			1,660	2,679.32	735	59,455	7,373	67,963	4,569	35	4,603	72,566	4,562	2.70	17.95	39.49			
			1,499	1,143		Free irrigation													
					735	72,031	11,109	83,875	6,292	296	5,574	89,453(6)	4,562	5.10	30.20	37.50			
						1,470	2,592	4,562				4,562							
Sons	{ Total of the corresponding month of previous year Grand Total of the corresponding month of previous year	{ Total of the corresponding month of previous year Grand Total of the corresponding month of previous year			6,498	115,241	24,531	146,290	3,539	299	5,926	152,106	61,846						
					19,211	35,046	3445	61,907	271	8	279	61,890							Total - - - 90,433

F. T. HAIG, Col., R.E.,  
Joint Secy. to the Government of Bengal,  
in the P. W. Dept., Irrigation Branch.

# Reports of Fluctuation of Traffic on the Eastern Bengal Railway for the Month of November 1877.

EASTERN BENGAL RAILWAY COMPANY, TRAFFIC SUPERINTENDENT'S OFFICE.

Report on the Traffic for the five weeks ending the 1st December 1877.

Dated Calcutta, the 21st December 1877.

From—C. F. CHADDERN, Esq., Acting Traffic Superintendent,

To—The Agent, Eastern Bengal Railway, Sealdah.

THE quantity of goods carried during the above period amounted to 7,23,313 maunds as compared with 8,50,919 maunds carried during the same period last year, shewing a decrease of 1,27,606 maunds.

This decrease is chiefly owing to the stoppage of the rice export to the famine districts, and the smaller quantity of jute being sent down from the growing districts as compared with the same period last year.

The staples showing the greatest decrease are grain including rice, gunny bundles, hides bundles and bales, jute drums and bales, foreign railway materials, sugar, tea, and tobacco.

Those showing an increase are cotton bundles and bales, gunny bales, piece-goods, salt, seeds, turmeric, twist, and miscellaneous goods.

## Decreases.

Grain, including rice ... Mds. 83,704  
The decrease in this staple is owing to the stoppage of export to Madras.  
Gunny, bundles ... Mds. 6,986  
The decrease in this staple (which showed a small increase last month) is owing to the smaller demand for gunny bags in the interior.

Hides, bundles and bales ... Mds. 1,159 Bales. 306  
The quantity of this staple fluctuates according to the demand for export, and though showing a large increase in October, it has declined this month.

Jute, drums and bales ... Mds. 33,492 Bales. 1,00,206  
This staple, which showed a small decrease last month, has fallen considerably, and shows the large decrease of 1,33,698 maunds, owing to the supply being small and the prices in Calcutta market being higher than in London.

Railway material, foreign ... Mds. 27,838  
The decrease in this article is owing to the smaller quantities of material sent up for the N. B. S. Railway this year as compared with the same period of the previous year.

Sugar ... Mds. 16,958  
This decrease is on account of there being no demand for the home or foreign markets, owing to the high prices current here.

Tea ... Mds. 1,782  
The quantity of this staple sent down fluctuates, the bulk of the produce of the tea districts being sent down by the river steamers.

Tobacco, bundles ... Mds. 12,341  
This staple continues to show a decrease owing to the small demand in the market.

## Increases.

Cotton, bundles and bales ... Mds. 307 Bales. 513  
This staple shows a small increase from Narayanganj, and also in the quantity of raw material sent to Dunbar Cotton Mills, Shannagar, for manufacture.

Bales of gunny ... Mds. 31,484  
This increase is very satisfactory, and is caused by the larger outturn of the Serajunge Jute Mills, and deducting the 6,986 maunds decrease of gunny-bags for local use, leaves an actual increase of 24,498 maunds.

Piece-goods ... Mds. 2,278  
This staple continues to show a satisfactory increase, principally in upward traffic for the interior.

Salt ... Mds. 5,621  
This increase verifies my anticipation of a rapid improvement in the quantity forwarded.

Turmeric ... Mds. 4,482  
This staple shows a satisfactory increase owing to a greater demand in the market according to which the supply fluctuates.

Twist ... Mds. 2,658  
This increase is also satisfactory, being chiefly for imported but also for manufactured yarns from the Dunbar Cotton Mills, Shannagar.

Miscellaneous ... Mds. 81,425  
This shows a very large increase in upward as well as downward and intermediate goods

I attach the usual statement of increases and decreases.

## EASTERN BENGAL RAILWAY.

Statement showing Increases and Decreases in mawdage of staples carried over the line for the five weeks ending the 1st December 1877, as compared with the corresponding period of 1876.

STAPLES.	1876.		1877.		1876.	1877.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Ale, beer, wine, &c. ...	1,161	.....	1,417	.....	1,161	1,417	253	.....
Cotton, bundles of ...	246	.....	106	447	246	653	307	.....
Ditto, bales of ...	1,518	.....	2,031	.....	1,518	2,031	513	.....
Grain, including rice ...	5,618	1,08,094	4,135	25,903	1,13,742	30,038	.....	83,704
Gunny, bundles of ...	416	7,920	1,198	152	8,336	1,350	.....	6,986
Ditto, bales of ...	.....	8,458	454	39,088	8,058	39,542	31,484	.....
Hides, bundles of ...	30	11,046	2	9,915	11,076	9,917	.....	1,159
Ditto, bales of ...	.....	306	.....	.....	306	.....	.....	306
Jute, drums of ...	4,186	2,66,633	4,801	2,31,528	2,70,819	2,37,327	.....	33,492
Ditto, bales of ...	10,653	1,73,059	.....	93,100	1,93,312	93,100	.....	1,00,206
Piece-goods ...	30,923	00	53,031	136	30,983	53,767	22,784	.....
Railway material, foreign ...	48,032	.....	2,194	.....	48,032	20,194	.....	27,838
Salt ...	60,301	.....	71,923	.....	60,301	71,922	5,621	.....
Seeds ...	1,358	16,578	2,370	23,190	17,936	25,560	7,624	.....
Sugar ...	343	17,841	1,147	79	18,184	1,226	.....	16,958
Tea ...	6	2,618	4	838	2,624	842	.....	1,782
Tobacco, bundles of ...	124	18,314	533	5,694	18,488	6,127	.....	12,341
Ditto, bales of ...	.....	.....	15	.....	.....	15	.....	.....
Turmeric ...	.....	6,115	41	10,556	6,115	10,597	4,482	.....
Twist ...	3,670	1,403	6,534	1,197	5,073	7,731	2,658	.....
All other goods ...	20,498	8,158	93,005	17,076	28,656	1,10,081	81,425	.....
Total ...	2,01,116	6,46,833	2,83,540	4,59,803	8,50,949	7,23,343	1,57,106	2,84,772
					7,23,313			1,57,186
Decrease ...	.....	.....	.....	.....	1,27,606	.....	.....	1,27,606

Weekly Return of Traffic Receipts on Indian Railways.

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 29th December 1877 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total Receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts				
		Rs. A. P.	£ s. d.		Mds. S.	Rs. A. P.		£ s. d.		£ s. d.
Total traffic for the week ...	42,334½	25,392 1 9	2,327 12 3	1,47,619 28	42,947 1 7	3,336 7 3	6,264 8 6		
Or per mile of railway ...	268	160 7 4	14 14 2	932 33	271 6 2	24 17 7	39 11 9		
For previous 25 weeks of half-year ...	913,138½	5,95,436 0 0	54,581 12 5	63,77,962 29	18,68,784 0 11	171,121 17 3	227,793 9 8		
Total for 26 weeks ...	955,473	6,20,828 1 9	56,909 4 8	65,25,080 17	19,09,731 2 6	175,058 13 6	231,967 18 2		
COMPARISON.									
Total for corresponding week of previous year	30,446	23,051 0 10	2,113 0 3	2,14,122 27	40,181 6 9	3,683 5 11	5,796 6 2		
Per mile of railway, corresponding week of previous year	192	145 10 7	13 7 0	1,479 18	253 14 7	23 5 7	36 12 7		
Total to corresponding date of previous year	871,039	5,46,873 9 2	50,130 1 6	51,44,993 36	13,22,348 13 11	121,224 9 10	171,354 11 4		

NULHATI STATE RAILWAY.

Approximate Return of Traffic for the last 9 days of December 1877 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the last 9 days ...	3,182	1,393 0 0	139 12 0	11,789 0 1	869 0 6	80 18 0	220 10 0
Or per mile of railway ...	117	51 0 0	5 2 0	433 0	29 8 0	2 19 0	8 1 0
For previous 25 weeks of half-year ...	54,026	25,450 0 0	2,745 0 0	1,71,074 0	13,072 0 0	1,367 4 0	3,912 4 0
Total for 26 weeks and 2 days	57,208	26,846 0 0	2,884 12 0	1,85,863 0	14,481 0 0	1,448 2 0	4,132 14 0
COMPARISON.							
Total for corresponding last 8 days of previous year	2,177½	1,220 7 3	122 0 11	14,134 36	815 14 0	81 11 9	263 12 8
Per mile of railway, corresponding last 8 days of previous year	80	44 12 7	4 9 7	518 28	29 14 1	2 19 11	7 9 6
Total to corresponding date of previous year	48,163½	23,142 3 4	2,314 1 5	1,41,599 17	11,386 15 6	1,138 13 10	3,452 18 3

NULHATI STATE RAILWAY.

Approximate Return of Traffic for the first 5 days of January 1878 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the first 5 days ...	1,574	711 0 0	71 2 0	8,679 0	540 0 0	54 0 0	125 2 0
Or per mile of railway	58	26 0 0	2 12 0	318 0	20 0 0	2 0 0	4 12 0
For previous weeks of half-year	.....	.....	.....	.....	.....	.....	.....
Total for 1 week	1,574	711 0 0	71 2 0	8,679 0	540 0 0	54 0 0	125 2 0
COMPARISON.							
Total for corresponding week of previous year	1,687½	762 4 0	76 4 0	21,326 0	1,291 11 0	129 3 5	295 7 11
Per mile of railway, corresponding week of previous year	62	27 15 0	2 15 11	782 24	47 6 5	4 14 10	7 10 1
Total to corresponding date of previous year...	1,687½	762 4 0	76 4 0	21,326 0	1,291 11 0	129 3 5	295 7 11

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for last 9 days of December 1877 on 131½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	2,504½	1,233 0 6	123 0 1	4,972 20	621 3 0	62 2 5	146 8 6
Or per mile of railway ...	19	9 3 3	0 18 5	37 4	4 10 2	0 9 3	1 7 8
For previous 17 weeks of half-year ...	23,555½	14,446 10 9	1,414 13 5	87,384 20	13,236 0 0	1,323 13 1	2,793 6 6
Total for 18 weeks	24,150	15,679 11 3	1,568 3 6	92,357 0	13,857 12 0	1,385 13 6	2,983 15 0
COMPARISON.							
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JANUARY 23, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### REPORT ON THE STATE OF THE SALT MARKET FOR THE SECOND QUARTER OF 1877-78.

No. 11B., dated Fort William, the 4th January 1878.

From—W. H. GRIMLEY, Esq., Secretary to the Board of Revenue, L. P.,

To—The Secretary to the Government of Bengal, Revenue Department.

I AM directed by the Board of Revenue to submit the following report on the state of the salt market for the second quarter of 1877-78, comprising the months of July, August, and September 1877.

C. T. BUCKLAND, Esq.

2. The quantity of salt consumed (i.e. the quantity of total clearances of salt of every description) in the quarter under report amounted to 24,66,463 maunds 35 seers 2 chittacks, against 21,03,828 maunds 8 seers 12 chittacks in the previous quarter, and 23,73,782 maunds 35 seers in the corresponding quarter of the previous year, and the total amount of duty levied was Rs. 76,07,460-1-1, against Rs. 65,38,380-15-4 and Rs. 74,18,565-10 in the previous and corresponding quarters respectively.

3. The quantity of excise salt sold in Cuttack, Balasore, Pooree, and 24-Pergunnahs during the present quarter from the stock of the different



seasons' manufacture, and the quantity which remained in store at the close of the quarter, are shown in the following Table I:—

TABLE I.

	CUTTACK.			BALASORE.				
	Manufacture of			Manufacture of				
	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.
	Mds. s. c.	Mds. s.	Mds. s.	Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.
Balance at the close of the last quarter.	6,111 23 0	1,843 0	6,984 0	538 19 1	1,506 0 13	5,472 28 0	1,00,063 3 8	33,277 20 0
Imported or added during the quarter.	.....	.....	1,561 25	.....	.....	.....	.....	5,345 5 0
Total ...	6,111 22 0	1,843 0	7,845 25	538 19 1	1,506 0 13	5,472 28 0	1,00,063 3 8	38,622 25 0
DEDUCT—								
Sales during the quarter ...	5,532 22 0	1,539 20	1,865 0	.....	.....	1,901 4 0	26,398 0 0	1,501 5 0
Wastage . . . . .	280 21 8	303 20	.. ..	.....	642 0 0	297 9 0	510 34 0	1,633 7 0
Total ...	5,813 3 8	1,843 0	1,865 0	.....	642 0 0	2,198 13 0	26,898 34 0	3,134 12 0
Balance at close of the quarter	298 18 8	.....	5,980 25	538 19 1	864 0 13	3,274 15 0	73,164 0 8	35,488 13 0

	POOREE.				24-PERGUNNAHS.	
	Manufacture of				Manufacture of	
	1873-74.	1874-75.	1875-76.	1876-77.	1875-76.	1876-77.
	Mds. s.	Mds.	Mds. s. c.	Mds. s. c.	Mds.	Mds.
Balance at the close of the last quarter.	9,237 30	4,101	64,740 38 8	21,518 30 0	14,464	33,589*
Imported or added during the quarter.	.....	.....	.....	9,545 32 0	.....	.....
Total ...	9,237 30	4,101	64,740 38 8	31,064 22 0	14,464	33,589
DEDUCT—						
Sales during the quarter ...	8,040 0	3,429	58,217 17 8	1,958 23 8	7,000	.....
Wastage ...	.....	.....	.....	.....	.....	.....
Total ...	8,040 0	3,429	58,217 17 8	1,958 23 8	7,000	.....
Balance at close of the quarter	1,197 30	672	26,532 21 0	29,105 39 8	7,464	33,589

\* The difference between these figures and those previously reported is due to the receipt of revised figures from the Collector. The pass officer estimated the season's manufacture to be 39,131½ maunds, but on weighment the actual quantity was found to be 33,589 maunds.

It will be seen from the above that the total clearances or sales of excise salt during the quarter under review amounted to 1,17,372 maunds 11 seers, against 1,29,485 maunds 23 seers 12 chittacks in the previous quarter, and 81,010 maunds 5 seers in the corresponding quarter of the previous year.

4. The subjoined Table II shows comparatively the total importation into the port of Calcutta, and the total clearances of sea-imported salt during the quarter under review and the corresponding quarter of the previous two years:—

TABLE II.

DESCRIPTION OF SALT.	SECOND QUARTER OF 1876-76.		SECOND QUARTER OF 1876-77.		SECOND QUARTER OF 1877-78.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool Pungah ...	20,06,609	19,60,491	15,09,418	17,86,796	18,15,532	17,29,144
Foreign Kurkutch ...	4,70,510	2,85,021	3,72,603	2,48,867	1,38,175	3,88,256
Indian ditto ...	2,71,086	2,54,568	3,40,309	2,18,466	2,14,154	1,89,346
Ceylon ditto ...	.....	.....	52,068	3,450	.....	12,250
Total ...	27,48,205	25,00,075	22,74,398	22,57,579	21,67,861	23,18,995

5. The following are the details of the Indian Kurkutch salt shown above :—

TABLE III.

	SECOND QUARTER OF 1875-76.		SECOND QUARTER OF 1876-77.		SECOND QUARTER OF 1877-78.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay ... ..	17,808	1,31,536	1,75,899	1,01,576	2,06,954	1,39,504
Cutch ... ..	1,700	.....	.....	.....	.....	.....
Goa ... ..	.....	3,968	.....	3,967	.....	.....
Domain ... ..	.....	9,140	.....	.....	.....	.....
Madras ... ..	1,03,520	55,728	.....	26,962	.....	28,513
Pondicherry ... ..	.....	1,000	.....	.....	.....	.....
Cavelong ... ..	1,24,000	15,682	1,49,100	58,411	.....	15,878
Coconada ... ..	.....	37,509	.....	.....	.....	4,350
Tuticoria ... ..	23,598	.....	8,160	24,550	7,200	1,100
Bate ... ..	.....	.....	7,160	.....	.....	.....
Total ... ..	2,71,086	2,54,563	3,40,300	2,18,466	2,14,154	1,89,345

6. Table IV shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the results of the previous four quarters :—

TABLE IV.

WHERE STORED. *			Second Quarter of 1876-77.	Third Quarter of 1876-77.	Fourth Quarter of 1876-77.	First Quarter of 1877-78.	Second Quarter of 1877-78.
			Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea	Government	Golahs	28,20,664	30,06,193	27,35,773	24,80,520	21,09,961
Ditto	Private	ditto	5,35,530	8,94,228	9,76,392	8,88,494	7,97,259
Chittagong	Government	ditto	84,448	1,39,012	1,29,372	1,02,148	73,634
Ditto	Private	ditto	28,768	27,768	23,208	13,790	.....
Balasore	ditto	ditto	.....	.....	.....	.....	3,615
Total			34,78,410	41,57,201	38,64,745	34,90,981	29,84,469

7. Table V shows the despatches of salt from Calcutta by water and the three railways passing the several salt pass stations into the interior of the country, both east and west of the river Hooghly, during the quarter under review and the corresponding quarter of the previous two years :—

TABLE V.

PERIOD.	Via Ballikhal.	Via Sankrail.	Via Gowa-khaloe.	Via Kidder-pore.	Via Ballia-ghatta.	By the East Indian Railway.	By the Eastern Bengal Railway, and Calcutta and South-Eastern Railway, or Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Second quarter of 1875-76 ... ..	12,37,792	1,35,852	47,686	1,98,200	3,57,044	4,38,484	27,978
Ditto ditto 1876-77 ... ..	10,33,152	1,30,932	28,655	4,20,308	1,11,314	4,57,097	1,22,931
Ditto ditto 1877-78 ... ..	10,43,108	1,20,534	32,744	1,34,875	8,53,180	5,07,776	1,19,453

The quantity of salt despatched by the East Indian Railway to stations beyond Buxar in the quarter under review amounted to 38,306 maunds, as noted in the margin, against 16,579 maunds in the previous quarter, and 4,630 maunds in the corresponding quarter of the previous year.

	Mds.
July ... ..	24,600
August ... ..	8,123
September ... ..	5,583
Total ... ..	38,306

8. The shipments of Liverpool salt for the port of Calcutta, according to published market reports, were as follow :—

					Tons.
July	...	...	...	...	15,263
August	...	...	...	...	18,268
September	...	...	...	...	14,038
Total					47,569

There were no shipments during the quarter under report for the port of Chittagong.

9. The market prices per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter, as compared with those obtaining during the same period last year, are shown in the following Table VI :—

TABLE VI.

DESCRIPTION OF SALT.	Prices on the 15th July		Prices on the 31st July		Prices on the 15th August		Prices on the 31st August		Prices on the 15th September.		Prices on the 30th September.	
	1876.	1877.	1876.	1877.	1876.	1877.	1876.	1877.	1876.	1877.	1876.	1877.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Liverpool Pungah	52	44	53	40	46	38	43	43	50	39	45	40
French Kurkutch	53	52	50	52	48	53	47	54	46	54	45	44
Jeddah ditto	66	58	63	57	61	57	55	55	64	52	49	42
Bombay ditto	51	47	51	47	51	42	50	38	46	31	46	39
Madras ditto	49	49	40	49	37	50	39	51	35	51	38	51
Italian ditto	53	52	50	53	48	53	48	54	47	54	46	44
Muscat ditto	55	45	54	44	54	43	51	42	50	42	46	40
Rock	100	86	100	85	100	85	100	90	100	100	100	100

10. In Table VII is shown the total quantity of salt that was available for private export trade at the several depots in the Madras Presidency on the first day of each of the three months constituting the quarter under report, and the corresponding quarters of 1875-76 and 1876-77 :—

TABLE VII.

MONTHS.				1875-76.	1876-77.	1877-78.
				Mds.	Mds.	Mds.
July	...	...	...	92,000	4,78,473½	4,12,638
August	...	...	...	92,000	6,21,662	4,04,838
September	...	...	...	2,86,320	6,77,030	3,78,940

11. The following table shows the quantities of sea-imported salt admitted into bond and cleared from bond and shipboard at Chittagong and Balasore during the quarter under review and the corresponding quarter of 1876-77 respectively :—

TABLE VIII.

PORT.	DESCRIPTION OF SALT.	ADMITTED INTO BOND.		CLEARED.	
		Second Quarter of 1876-77.	Second Quarter of 1877-78.	Second Quarter of 1876-77.	Second Quarter of 1877-78.
		Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.
Chittagong	Liverpool Pungah	.....	.....	34,196 30 0	29,063 0 0
	Madras Kurkutch	.. ..	.....	997 0 0	.....
Balasore	Ditto ditto	.....	3,708 20 0	.....	93 0 0
	Total	.....	3,708 20 0	35,193 30 0	30,056 0 0

No transactions in sea-imported salt have been reported for the quarter from the ports of Cuttack and Pooree.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 19th January 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, Jan. 19 '78	Nil	The prospect of the <i>rubbee</i> crops is good. Fever is prevalent in the Jehanabad sub-division. Cholera has also broken out in Jehanabad, and still continues in the Cutwa and Culna sub-divisions.
	2 Bankoora, „ 19 „	Few drops on 16th	Weather—cold, and during the middle of the week cloudy. The crops on the ground are flourishing.
	3 Beerbhoom, „ 19 „	0.05	Weather—seasonable. The cold-weather crops are fair.
	4 Midnapore „ 19 „	Nil	Weather—cold and seasonable. Prospects of the crops are fair.
	5 Hooghly, „ 19 „	Nil	Weather—seasonable; cloudy at intervals. All the <i>amun</i> rice, excepting that on the extreme low lands, has been reaped. The <i>rubbee</i> crops are doing well. There has been a change for the better in the state of public health. No fresh cases of fever have been reported during the week.
	Howrah, „ 21 „	Nil	The signs of rain have gone, and the weather is colder again. Nothing new to report. The <i>amun</i> harvest is nearly complete. Sugarcane looks well.
<i>Central Districts</i>			
PRESIDENCY DIVN.	6 24-Pergunnahs, Jan. 19 '78	Nil	Weather—seasonable. State and prospects of the crops are satisfactory. Cholera and fever are abating.
	7 Nuddoa, „ 19 „	Nil	Weather—cloudy at the beginning of the week; warm for the time of year. The <i>rubbee</i> crops are progressing well in all the sub-divisions; the harvest has been commenced in Chooadanga.
	8 Jessore, „ 19 „	Nil	Weather—seasonable. Prospects of the crops are fairly good; they would have been better if a little more rain had fallen. Fever is abating.
	9 Moorshadabad, „ 19 „	0.09	Weather—cold and damp. The <i>rubbee</i> and other standing crops are generally well reported on. Fever and cholera are on the decrease, except in Bhurtpore. A few cases of small-pox are reported from Kandi.
RAJSHAHYE AND COOCH BEHAR DIVN.	10 Dinagepore, „ 18 „	Nil	Weather—moist, threatening rain. The cold-weather crops are doing fairly near the station.
	11 Rajshahye, „ 19 „	0.10	The weather has been much warmer for the last week. There was a very little rain in the station on the night of the 14th instant. The sky is now clear. The crop reports are good. Cholera is abating. Fever is still prevalent.
	12 Rungpore, „ 18 „	Nil	No rain. Weather cold and fine. The tobacco and other crops on the ground are doing well.
	13 Bogra, „ 19 „	Nil	The sky was cloudy during the first part of the week; latterly the weather was seasonably cool. No change to report in the state and prospects of the crops. Rice is selling in the Bogra Bazar at 26 seers per rupee. This is a very high price for the season of the year, especially as the <i>amun</i> harvest has been so abundant. Cholera has again broken out in the jurisdiction of Panchbibi and Adamdighi stations.
	14 Pubna, „ 19 „	0.10	Weather—seasonably cool. <i>Mutter, khesari, musoor, cheena, and musina</i> promise a good outturn. The harvesting of <i>kuldi</i> and sugarcane is going on. Fever and cholera have abated.
	15 Darjeeling, „ 18 „	Not given	Weather—very cold. Snow has fallen on the adjacent hills. The winter rice crop has been nearly all gathered in, yielding a good return. The minor crops are progressing favorably.
	16 Julpigoree, „ 19 „	Nil	Weather—seasonable. The harvesting of the winter rice is almost completed. The prospect of the dry season crop is good. Health of the district is at present good. Fever has almost disappeared from the town of Julpigoree.
	Cooch Behar, „ 17 „	Nil	Weather—very cold, with dense fogs in the mornings. West wind is prevailing. The state and prospects of the crops are the same as reported last week. The reaping of the <i>amun</i> rice is now practically over. Mustard is in seed, and the other cold-weather crops are doing well. Fever is abating and the public health is improving.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.</i>			
Dacca Divn.	17 Dacca, Jan. 19 '78	Nil	Weather—seasonable; rather cloudy. State and prospects of the crops are favorable.
	18 Furreedpore, „ 19 „	Nil	Weather—cloudy for some days, but now clear again. The <i>amun</i> rice has been reaped; the outturn is below the average, but better than was expected. Rain is wanted for the spring crops. There are many fever cases still remaining.
	19 Backergunge, „ 17 „	Nil	All is well.
	20 Mymensingh, „ 18 „	Nil	Weather—fine and cold. State and prospects of the crops are favorable.
	21 Tipperah, „ 18 „	Nil	Weather—fine. <i>Amun dhan</i> has been reaped and has yielded a good outturn. The pulse crops promise well.
Chittagong Divn.	22 Chittagong, „ 17 „	Nil	Weather—seasonable, with cloudy intervals. Rain is wanted for the winter crops.
	23 Nonkholly, „ 17 „	Nil	Weather—seasonable. The reaping of the <i>amun</i> crop is completed. Pulses chillies, &c., are progressing favorably. Public health is good.
	24 Chittagong Hill Tracts, „ 15 „	Nil	Weather—seasonable. Heavy fogs up to 9 A.M. The prospects of mustard are bad, almost the whole crop being destroyed by small insects. Cattle disease is still prevalent in Garjania and Chingri Valley.
	Hill Tipperah, „ 16 „	Nil	Weather—cloudy on some days of the week, but no rain fell. Mustard is being reaped. Other crops are doing well. Prices continue high as compared with the last year's prices. Health is good.
<b>BEHAR.</b>			
PATNA DIVISION.	25 Patna, Jan. 19 '78	0.26	Weather—seasonably cold. The harvesting of the rice crop will be finished in a week. The prospects of the <i>rubbee</i> crops have much brightened after the rainfall. Health is good.
	26 Gya, „ 19 „	0.63 Nowada 1.42	The sky was cloudy at the beginning of the week. Maximum thermometer in the shade 74.6°. The prospect of the <i>rubbee</i> crop is promising. The recent rain is reported to have been quite sufficient in Jehanabad. From Nowada it is reported that the crop will be a full one. No report from Aurungabad has been received.
	27 Shahabad, „ 19 „	0.43 Sasseram 0.80 Buxar 2.02 on 10th, 11th, 13th, and 14th Bhuboah 2.00 on 13th and 14th.	Weather—warmer. Since rain, clear and fine. The <i>rubbee</i> crops everywhere have been extremely benefitted by the rain. Prices have a tendency to fall. The cattle are badly off for want of fodder in Bhuboah.
	28 Darbhanga, „ 19 „	0.16	Weather—seasonable. With the late rains the prospects of the <i>rubbee</i> crops have been more improved and are very favorable. Heavy exportation has raised the price of rice considerably.
	29 Mozufferpore, „ 19 „	0.22 Sootamurhee 0.21	Weather—seasonable and cold. The prospects of the <i>rubbee</i> crops are good throughout the district. The prices of food-grains are stationary.
	30 Saran, „ 19 „	0.36 Gopalgunge 0.56	Weather—seasonably cool; the mornings are generally foggy, and there have been occasional gatherings of clouds. Slight rain has fallen in most parts of the district. The state and prospects of the <i>rubbee</i> crops continue fair. In some villages within the jurisdiction of the Gopalgunge sub-division great damage has been done by hail and frost. Prices have greatly risen. Public health is good.
BHAGULPORE DIVN.	31 Champaran, „ 19 „	0.13	Weather—cold, with occasional fogs in the mornings. The prospects of the <i>rubbee</i> crop have improved during the last week in consequence of the late rain. Public health is good.
	32 Monghyr, „ 19 „	0.01 Begoo-serai 0.13 Jamoal 0.82	Weather—clear, with cold nights. The prospects of the crops are much the same as reported last week. Some damage from frost has been reported in Begoo-serai.
	33 Bhagulpore, „ 19 „	Nil	Weather—generally clear and seasonably cold. More rain is wanted for the <i>rubbee</i> crops, especially in the north of the district. The price of rice is still rising, owing to the increasing demand from outside. The export of grain by rail continues as before. General health is excellent.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Continued.)</b>			
BEHAR DIV.	84 Purneah, Jan. 19 '78	Nil	Weather—cloudy and cool with westerly wind. The <i>agha</i> crop has been reaped; the outturn averaged from 12 to 16 annas. Rain is wanted for the <i>rubbee</i> crops.
	85 Muldab, „ 19 „	Nil	Weather—fair; occasionally cloudy. The state of the crops continues favorable, but rain is required for the <i>rubbee</i> . Public health is good.
	86 Southal Pergahs, „ 20 „	0.17	A little rain fell in the early part of the week; the latter part was cold and clear. No change in the state and prospects of the crops since last report.
<b>ORISSA.</b>			
ORISSA DIV.	87 Cuttack, Jan. 19 '78	Nil	Weather—rather warm for the season. The cutting of the <i>saral</i> crop has nearly been finished. The <i>rubbee</i> crops are being reaped. The <i>dalia</i> rice is being sown. Public health is generally good.
	88 Pooree „ 17 „	Nil	Weather—warm for the season. The <i>saral</i> rice crop is still being harvested. Sugarcane and <i>arhur</i> are being cut. Mustard is being reaped, and <i>moong</i> and <i>kalai</i> promise well. The <i>dalia</i> rice plants are progressing favorably. The exports to the Madras Presidency continue. The <i>mandia</i> crop in the salt tracts is dying for want of water, but elsewhere it is in ear. Cattle disease is reported from parts of the district.
	89 Balasore, „ 18 „	Nil	Weather—fair. The harvesting of the main rice crop is completed. Fever is bad in Jellapore and is causing much mortality. An extra native doctor with medicines has been posted at the locality. A few cases of cholera have been reported.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
40	Hazarcebagh, Jan. 18 '78	0.03	Weather—seasonable. Nothing fresh to report about the state and prospects of the crops.
41	Lohardugga, „ 19 „	Traces of rain.	There has been light rain in four out of thirteen police station circles in west centre of the head-quarters division, and 0.8 at Palamow. The prospects of the <i>rubbee</i> in Palamow are good. In the head-quarters division there is never much <i>rubbee</i> ; this year it is as good as usual. Public health is good.
42	Singbhoom, „ 18 „	0.13	Weather—clear and seasonable. Nothing to report about the crops.
43	Manbhoom, „ 19 „	0.14	Weather—cloudy and close. There is no change in the prospects of the crops.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 22nd January 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

DISTRICTS.	QUANTITIES PER RUPEE BY																							
	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.			GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA, AND CHENNA.					
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
<b>BENGAL.</b>																								
<i>Eastern Districts.</i>																								
Burdwan	12 8	12 0	13 4	25 0	25 0	30 0	14 8	15 8	19 0	15 4	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
Baukoora	13 12	13 8	15 0	24 0	24 0	23 0	15 0	15 0	20 0	18 0	18 12	21 0	...	...	...	...	...	...	...	...	...	...	...	...
Beerbhoom	12 8	13 0	15 0	20 0	20 0	...	12 0	12 0	15 0	15 0	16 0	19 8	...	...	...	...	...	...	...	...	...	...	...	...
Midnapore	13 0	13 0	17 0	...	...	...	14 0	13 0	16 0	17 0	16 0	24 0	...	...	...	...	...	...	...	...	...	...	...	...
Toughly	13 0	13 0	17 0	...	...	...	10 0	10 0	10 0	13 0	13 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...
Howrah	13 8	13 0	15 0	...	...	...	9 0	9 0	15 0	14 0	13 0	17 0	...	...	...	...	...	...	...	...	...	...	...	...
<i>Central Districts.</i>																								
Calcutta	12 0	12 4	14 0	18 0	20 0	25 0	7 0	7 8	9 0	12 0	11 12	14 0	...	...	...	18 0	18 0	25 0	...	...	...	...	...	...
14-Pergunnahs	...	...	...	...	...	...	7 4	7 4	8 0	12 4	13 4	14 0	...	...	...	...	...	...	...	...	...	...	...	...
Nuddea	13 6	13 15	15 4	...	32 0	...	12 6	12 6	13 4	12 13	13 6	16 0	...	...	...	...	...	...	...	...	...	...	...	...
Jessore	...	11 0	18 0	...	...	...	10 0	9 12	15 0	14 0	14 0	21 4	...	...	...	...	...	...	...	...	...	...	...	...
Mooredabad	14 0	14 0	17 0	27 0	35 0	37 8	10 0	10 0	18 0	15 0	14 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
Dinapore	13 3	12 12	16 0	11 4	11 0	12 4	15 0	18 3	19 0	19 0	22 12	24 0	...	...	...	...	...	...	...	...	...	...	...	...
Tajmahal	16 8	16 12	15 0	26 12	26 12	30 0	9 12	9 4	15 0	13 8	16 0	20 10	...	...	...	...	...	...	...	...	...	...	...	...
Bungpore	15 13	15 13	26 12	...	...	...	11 6	11 6	15 0	22 8	22 8	23 8	...	...	...	...	...	...	...	...	...	...	...	...
Bogra	9 12	12 0	20 8	...	...	...	12 0	13 8	20 0	21 0	22 8	30 0	...	...	...	...	...	...	...	...	...	...	...	...
Bubna	13 0	13 0	20 0	...	...	...	8 0	8 0	12 0	16 0	16 0	25 0	...	...	...	...	...	...	...	...	...	...	...	...
Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ulpioree	9 1	9 5	...	...	...	...	13 0	13 0	16 0	19 0	19 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
<i>Western Districts.</i>																								
Bacca	13 4	11 7	13 5	32 0	32 0	40 0	11 7	11 7	16 0	16 0	17 10	21 0	...	...	...	...	...	...	...	...	...	...	...	...
Burreedpore	14 0	14 0	24 0	...	...	30 0	8 0	8 0	10 0	15 0	15 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
Beckergunge	...	...	...	...	...	...	13 0	14 0	16 0	16 0	17 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
Bymensingh	10 0	10 0	14 0	...	...	...	14 0	14 0	20 0	15 12	15 12	26 4	...	...	...	...	...	...	...	...	...	...	...	...

Return not received.

In the interior the prices range as follow :—Wheat 12 to 14 seers, barley 32 to 40 seers, best rice 12½ to 16½ seers, common rice 13½ to 17½ seers, and gram 16 to 22 seers.

In the interior the prices range as follow :—Wheat 12 to 16 seers, barley 20 to 36 seers, best rice 13½ to 19 seers, common rice 16 to 21 seers, maize or Indian-corn 20 to 39 seers, and gram 15 to 16½ seers.

In the interior the prices range as follow :—Wheat 12 to 17 seers, best rice 13½ to 19 seers, common rice 14½ to 20 seers, and gram 14 to 21 seers.

In the interior the prices range as follow :—Wheat 11½ to 12½ seers, barley 18½ to 18½ seers, best rice 6½ to 6½ seers, common rice 9½ to 15 seers, and gram 14½ to 15½ seers.

In the interior the prices range as follow :—Wheat 8 to 13½ seers, best rice 10 to 14 seers, common rice 13 to 16 seers, and gram 10 to 16½ seers.

In the interior the prices range as follow :—Best rice 10 to 11½ seers, common rice 15 to 16 seers, and gram 17½ to 21 seers.

in charge of the Bill in reply to the mover of the amendment. As far as he understood the wording of section 4 of the Bill, it provided that the notice served on the ryot by a Settlement Officer calling upon him to sign the jumma-bandi should be deemed a notice within the meaning of section 14 of Bengal Act VIII of 1869, and section 13 of Act X of 1859. Now, he fully agreed that section 14 of Bengal Act VIII of 1869, and section 13 of Act X of 1859, remained intact; but this Bill provided that the notice under this section should be considered to be a notice within the meaning of section 14 of the Act of 1869, and section 13 of the Act of 1859. If that was the case, then section 4 of the Bill, as it was worded, made a material difference; for the notice under those Acts must contain the grounds of enhancement, whereas under this Bill the notice would only call upon the ryot to attend and sign the jumma-bandi; there was nothing in the section to show that the notice should contain the grounds of enhancement, but as the notice under this section took the place of the notice under the Acts of 1869 and 1859, the difference made was at once apparent.

Then, again, there would be practically no personal notice, for under the second clause of the section it might be dispensed with, and a general notice addressed to all whom it might concern might be affixed with a copy of the jumma-bandi, or of such part thereof as the Collector might think fit, at the māl cutcherry of the village to which the jumma-bandi related, or at some other conspicuous place therein. But as the Bill provided in section 3 that the ryot whose rent was enhanced might contest the proceedings of the Settlement Officer by a suit in the civil court within three months from the date of the service of the notice of enhancement, he ought to be placed in a position to know what were the grounds of enhancement; otherwise he would not know what evidence to adduce against the grounds taken by the Settlement Officer.

Whether the words proposed by the hon'ble mover of the amendment would meet the object aimed at or not, BAROO KRISTODAS PAL was not in a position to say. But he thought that in all fairness an opportunity ought to be given to the ryot to know on what grounds his rent was enhanced, so that he might be in a position to contest the enhancement, if he considered himself aggrieved. For these reasons BAROO KRISTODAS PAL would support the principle of the amendment, but would leave its wording in the hands of the Council.

The HON'BLE MR. PRINSEP said that he thought no member of the Council would be averse to giving the ryot every opportunity of learning the grounds on which his rent had been enhanced; but he thought that the grounds upon which this amendment was put were open to serious objection, inasmuch as it would practically neutralise the effect of the Bill by opening a loop-hole in the course of litigation by which the proceedings of settlement officers would probably be nullified. If we considered the publicity which attended the course of settlement proceedings, as one hon'ble member had already pointed out that all these proceedings were conducted *coram populo*, in the presence of the community; if we considered also that a notice was to be put up informing the ryot that his rent had been enhanced, and that it was necessary for him to sign the jumma-bandi, we would find that the ryot had two opportunities of expressing his own wishes: for he could attend and refuse to sign the jumma-bandi, and ask why his rent had been enhanced. That would be the second opportunity the ryot would have for ascertaining the grounds of enhancement. But, as MR PRINSEP understood, the notice would be a general notice to all whom it might concern in such and such a village, and would probably run somewhat thus—"Whereas the rate of rent has been found to be lower than the rent of land of this description in the adjoining villages, it has been raised from such a sum to such a sum." On the other hand, the provision requiring a specific notice to be served on each ryot would be embarrassing to those whose duty it was to prepare such notices, would open a loop-hole for technical and frivolous objections, and would be utterly useless as far as any specific information was concerned. There was nothing, moreover, in the Bill as it stood which would prevent an application by a ryot for specific grounds of enhancement. But where there were hundreds of ryots in a village, in regard to which settlement proceedings were being conducted, it would be next to impossible to specify accurately what the grounds of enhancement in each case were, and the bulk of papers would add to the difficulty which the ryot would have in tracing his own name. Therefore, MR. PRINSEP submitted that the amendment was not only open to



objection, but likely to lead to embarrassment to all concerned in these settlement proceedings.

The HON'BLE BABOO ISSER CHUNDER MITTER begged to explain in reply that he understood that the notice in this Bill provided was, as regards settlement proceedings under Regulation VII of 1822, to stand in lieu of the notice provided for in section 13 of Act X of 1859 and section 14 of Bengal Act VIII of 1869. Taking that view of the matter—and that view he believed was not altogether wrong, as would be seen from what had fallen from his hon'ble friend opposite (Baboo Kristodas Pal)—and considering that some opportunity should be given to the ryot to know what were the grounds of enhancement, he took the liberty to suggest this amendment. He had of course nothing to say against the substitution of a general notice in lieu of the personal notice provided for in the first part of this section. But as a personal notice was provided for, he thought it necessary to suggest an amendment in respect to it also. There could be no doubt that settlement proceedings, conducted as they were by public servants, were always held in the light of day; but after the proceedings were concluded, and while the jumma bandi papers were being written up, the Settlement Officer had perhaps moved from one part of the district to another. It was not that the jumma bandi was written out at the time when the proceedings were concluded, but some time was occupied in its preparation; and therefore, as the ryot in all probability could not then have access to the Settlement Officer, the amendment was suggested to give him facilities to understand what the grounds of enhancement were. It was provided in the Bill that there should be no enhancement of rent, except on some one of the grounds specified in the existing law. The Settlement Officer must determine in each case what was the ground of enhancement, and if he had to determine that, it would not be difficult to record briefly the ground of enhancement in each case. It would only be necessary to add to the jumma bandi a column, as it were, in which might be inserted, shortly, what were the grounds of enhancement according to the terms of the law; if it would be impracticable to state all the circumstances upon which the right to enhancement was based, the heads of the grounds as specified in the law might be given. The Settlement Officer would have to determine the grounds of enhancement in each case, and it would not be difficult to give a brief analysis, as it were, of those grounds for the information of the ryot.

The HON'BLE MR. REYNOLDS said the amendment was put in his hands late last evening, the usual notice of two days not having been given. There was no intention to withhold from the ryot the grounds upon which he might fairly be called upon to pay an enhanced rate of rent, but the wording of the amendment appeared capable of being improved. If, therefore, the hon'ble member would consent to withdraw his amendment, the matter would be further looked into, and before the Council was asked to pass the Bill, a section would be prepared to meet the principle upon which the amendment before the Council was based.

The amendment was then by leave withdrawn, and the further consideration of the Bill postponed.

#### EMIGRATION TO CHITTAGONG.

The HON'BLE MR. MACKENZIE moved that the report of the Select Committee on the Bill to extend the provisions of Bengal Act VII of 1873 (the Labour Districts Emigration Act) to the district of Chittagong, and to the Chittagong Hill Tracts, be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee. The only substantial alteration which had been made in the Bill was, as pointed out in the report of the Committee, in section 4. It appeared that under the present arrangement coolies who were shipped to Chittagong did not actually enter into contracts with their employers until they landed there. The intention of the Bill was that all imported labourers, that is to say, all labourers carried to the tea gardens at the expense of their employers, should be brought under the provisions of the law, and the Committee had therefore altered the wording of the section to show this clearly. The Committee had had the advantage of the

presence at their deliberations of a gentleman who was largely interested in tea plantations in Chittagong, in connection with the firm of Messrs. Bullock Brothers, who urged upon the Committee that this Bill would be useful not merely in regulating the transport of emigrants and providing for proper medical arrangements, but by regulating the inspection of gardens by the constituted authorities. At present these inspections were made, but without any specific legal authority, and the inspecting officers were sometimes, it was said, tempted to push their powers beyond what was reasonable. The introduction of the Act would give a common standard to which planter and Magistrate could alike appeal, and would, he did not doubt, prove advantageous to Government, to the planter, and to the labourer.

The Hon'ble Mr. BROWN said he had not opposed this Bill because opinion was divided amongst those interested in the tea enterprise in Chittagong as to the desirability of extending the Act to that district. Whilst some protested against it, others petitioned for it. On the one hand, the Council had been told that instead of benefitting native emigrants, the Act was more likely to injure them, since upon most gardens the labourers were receiving a higher rate of pay than that stipulated in agreements under the Act; that the official inspections had already done harm by encouraging unreasonable complaints; and that this trouble was expected to be aggravated when the authorised inspections came to be made under the Act. On the other hand, some proprietors complained of the want of a settled basis upon which to deal with their labourers, and the fact of having before the Council a requisition from a tea proprietor to be allowed the benefit of the Act in Chittagong, seemed to him to turn the scale in favor of granting its extension to that district. For his own part, he must say that, so far as his knowledge went, he thought the Chittagong district could have got along very well without the Act; but for the reasons he had just stated, and because he did not regard the question as of very vital importance to the tea interests there, he had not refused to join his colleagues upon the Committee in assenting to the Bill. What they had to fear in all these cases was not the measures themselves, so much as the danger of their indiscreet administration; and he trusted that in the present instance care would be taken to utilise, in every way possible, the experience acquired in other tea districts, so that the new regulations might be introduced into Chittagong in a spirit such as would secure the support, and win the confidence, of the tea planters there. He had mentioned upon the Committee, and he would wish to repeat here, that he should have been glad had the opportunity been taken to revise the Act before extending its application. The hon'ble member who first introduced the Bill eulogised the Act as having worked so well in the other tea districts. But whilst Mr. BROWN did not deny that some of its provisions were wisely conceived, and had worked usefully, he should not wish it to be understood that he gave an unqualified adherence to the late hon'ble member's opinion upon that point. On the contrary, as he thought the Council must be aware, there were many points in which the working of the Act was considered not only by importers of labour, but also by Government officers in the tea districts, to be far from satisfactory. One of the ablest officers in Assam, and who was perhaps the best acquainted with the working of the emigration rules, went, as he understood, so far as to counsel a repeal of the Act, except in a few particulars; and the Chief Commissioner of Assam, in his latest minute upon the subject, declared it his opinion that the less organized interference there was in immigration matters the better: so that Mr. BROWN thought it was rather to be regretted that in the face of their experience in Assam, an admittedly imperfect Act should be applied without revision to a new district. He bore in mind that they were not now discussing the merits or demerits of the Act, and he would therefore not enter further into that part of the subject. The present question was merely the extension of the Act, such as it was, to the Chittagong districts; and if, as he supposed, the Council adopted the recommendations of the Committee, it only remained to repeat the hope that they would see a discreet and judicious administration of the local provisions. He was bound to say that the provision which seemed to particularly excite the apprehensions of the Chittagong planters, namely, the inspection of labourers on the tea gardens, was one which, even under a revised Act, the Government officers would desire

for the present to retain in Assam. He had not found, however, that well-intentioned planters, upon properly regulated estates, objected to that provision; and if it were carried into operation in Chittagong upon the judicious system which had been evolved out of long experience in Assam, he thought the apprehensions of their Chittagong friends upon that point would prove to be unfounded. He had only to add that he trusted the time was not far distant when a general revision of the Act would be undertaken, with the main object of promoting freer emigration to the tea districts. Some sort of power to enforce contracts with time expired labourers was also much needed. In the meantime they should be able to watch the operation of the Act in Chittagong, and when the time came, he hoped they should be able to ameliorate its working as concerned both Chittagong and the other tea districts.

The motion was agreed to, and the clauses of the Bill settled without amendment.

On the motion of the HON'BLE MR. MACKENZIE the Bill was then passed.

### LICENSE TAX ON TRADES, DEALINGS, AND INDUSTRIES.

The HON'BLE MR. BROWN said he should wish to ask the hon'ble member in charge of the Bill for licensing trades, dealings, and industries within the territories subject to the Lieutenant-Governor of Bengal when the report of the Select Committee would be brought forward. It was a matter in which much public interest was taken and therefore he asked for information.

The HON'BLE MR. MACKENZIE said that no time had been fixed by the Council for the presentation of the Select Committee's report, and it would have been made before now, but for the consideration of material amendments in the shape and schedules of the Bill. He hoped that on Monday next the Committee would be able to come to a final settlement. The Committee had provided for a higher grade tax of Rs. 500 as was originally proposed by the Bengal Government, and they had also provided that incomes below Rs. 100 per annum should not be taxed. They had done this to preclude the possibility of any oppression on the poorer classes of the community. While retaining this limit of Rs. 100 as the minimum taxable income, the Committee had retained the lowest rate of fee, viz. one rupee, which would enable Collectors to let off easily those who, while coming within the range of the tax, were still really in poor circumstances. The provisions of the Bill had been so re-arranged as to keep the provisions which were applicable to the province generally in one part, and the provisions which were specially applicable to Calcutta in another part, thus making the Act much clearer and simpler in working. The Committee had provided for an appeal from the assessing officer to the Collector of the district. The re-arrangement of the Bill as above described had taken some time. It had been necessary also to be in close communication with the Government of India, so as to be informed of any alterations which that Government might think it necessary to make in the License Tax Bill for the North-Western Provinces. He hoped, however, if nothing interfered, to present the report of the Select Committee on Saturday next.

The Council was adjourned to Saturday, the 9th February.

*Saturday, the 9th February 1878.*

Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,  
 The Hon'ble G. C. PAUL, *Acting Advocate-General*,  
 The Hon'ble H. J. REYNOLDS,  
 The Hon'ble A. MACKENZIE,  
 The Hon'ble S. C. BAYLEY,  
 The Hon'ble H. T. PRINSEP,  
 The Hon'ble BABOO RAM SHUNKER SEN, RAI BAHADOOR,  
 The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
 The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
 The Hon'ble NAWAB MEER MAHOMED ALI,  
 The Hon'ble H. F. BROWN,  
 The Hon'ble F. JENNINGS,  
 and  
 The Hon'ble RAJAH PRAMATHA NATHA ROY, BAHADOOR.

### CONSOLIDATION OF THE LAW RELATING TO THE EXCISE REVENUE.

The Hon'ble MR. REYNOLDS said that at the last meeting of the Council he explained the circumstances which rendered the introduction of this Bill necessary, and he need not now detain the Council by making any further observations on that point. The statement of objects and reasons circulated with the Bill showed the chief alterations which had been made in the present draft. They were principally in the direction of a re-arrangement and condensation of the provisions of the Bill, and probably some more changes might be necessary in the same direction. He moved that the Bill to consolidate the law relating to the excise revenue in the Presidency of Fort William in Bengal be read in Council.

The motion was agreed to, and the Bill referred to a Select Committee, consisting of the Hon'ble Mr. Mackenzie, the Hon'ble Baboo Isser Chunder Mitter, the Hon'ble Rajah Pramatha Natha Roy, and the Mover, with instructions to report in one month.

### POWERS OF SETTLEMENT OFFICERS AS TO ENHANCEMENT OF RENT.

On the motion of the Hon'ble MR. REYNOLDS, the Bill to define and limit the powers of settlement officers in respect to the enhancement of rent was further considered in order to the settlement of its clauses.

The Hon'ble MR. REYNOLDS said that he had a small amendment to propose in the second section of the Bill. The section provided that the rent of a ryot having a right of occupancy should not be enhanced "except on some one of the grounds" specified in section 18 of Bengal Act VIII of 1869, or section 17 of Act X of 1859. It appeared to be necessary to add the words "or more" after the words "some one." Cases might occur in which it might be desirable to enhance the rent of an occupancy ryot on more than one of the grounds specified in the law, and therefore it was considered proper to move the insertion of the words of which he had given notice.

The motion was carried, and the section as amended was agreed to.

The Hon'ble MR. REYNOLDS said he had an amendment of an entirely verbal nature to propose in the third section of the Bill. The section as it stood spoke of "the rent of an under-tenant or ryot having been in any way enhanced" in the course of any settlement proceedings conducted under Regulation VII of 1822. It had been suggested that that language was not in conformity with the wording of the Regulation, which did not speak of the enhancement of

rent, but merely of a record of the rent demandable from under-tenants or ryots. There was practically no difference between enhancing a ryot's rent and recording a higher rent as demandable from him, and therefore the amendment proposed was purely verbal, and with the object of bringing the wording of this Bill into harmony with the wording of Regulation VII of 1822. He moved in section 3, lines 9, 10, and 11, to omit the words "the rent of any under-tenant or ryot has been in any way enhanced," and substitute for them the words "a higher rent has been recorded as demandable from any under-tenant or ryot than was previously paid by him."

The motion was carried, and the section as amended was agreed to.

The HON'BLE MR. REYNOLDS moved the insertion after section 4 of the following new section:—

"5. Whenever in any settlement proceeding conducted and confirmed as aforesaid a higher rent than the rent previously paid has been recorded as demandable from any ryot having a right of occupancy, the amount of such higher rent and the grounds of the enhancement shall be specified in any notice served upon the said ryot under clause 1 of section 4, or in the *jummabandi* appended to any general notice served under clause 2 of section 4, as the case may be."

In case of enhancement, the rent and grounds of enhancement to be specified in notice.

He moved this amendment to meet the objection raised by the hon'ble member on his right (Baboo Isser Chunder Mitter) at the last meeting of the Council, that the Bill did not provide for the giving of notice of the grounds upon which an enhancement of rent was made. MR. REYNOLDS was not even now satisfied that the insertion of the section was necessary. It appeared to him that as the Bill did not repeal the provisions of the existing law, the particulars which the existing law required to be inserted in the notice of enhancement would still have to be inserted in notices issued under the Bill, whether any express provision for their insertion was made or not. But as the matter appeared to be doubtful, and it was not in any way intended to withhold from the ryot the necessary knowledge of the grounds of enhancement, he proposed the insertion of the section which he had just moved, and which he believed would provide all that was necessary.

The section was agreed to.

The HON'BLE MR. REYNOLDS postponed the motion (of which notice had been given) to pass the Bill. He had received only that morning a communication on the subject of the Bill which required further consideration, and he wished to give to it that further consideration before asking the Council to come to a final vote on this Bill.

#### LICENSE TAX ON TRADES, DEALINGS, AND INDUSTRIES.

The HON'BLE MR. MACKENZIE said:—"In presenting to the Council the report of the Select Committee I do not propose to detain them by any very lengthy remarks. Nothing that I could say will make the measure, as a measure of taxation, welcome, but it will be satisfactory if it is admitted that the Bill attains its avowed object without being open to serious objection in respect of its details. The general principles of the taxation involved in the measures now pending before this and the Supreme Legislature have been settled and laid down by the Government of India. It has been the duty of the Local Government loyally to accept those principles, and to endeavour to give full effect to the intentions of the Supreme Government.

The chief complaint made against the Bill as originally introduced was so far as I have been able to gather, that it carried taxation too low down in the social scale, and imposed a burden upon the poor disproportionate to that laid by it upon the rich. The Bill was certainly from one point of view obnoxious to these criticisms. But it was not the intention of Government that the tax should press heavily upon either poor or rich. Inequality of incidence we could not, and do not now, attempt altogether to avoid. I know of no tax in the whole economic world that has a perfectly equal incidence. But it was hoped that the whole burden would be so light that no shoulder would be galled by bearing a little more of it than was strictly speaking its proper share.

Be that as it may, in the Bill as now amended it has been found possible to introduce a minimum limit of incidence, which should go far to dissipate all fears that the tax will press unduly upon the very poor. In Bengal an annual income of Rs. 100 represents a standard of comfort far removed from actual poverty, and a tax of Rs. 2 per annum is not too much to take from incomes between Rs. 100 and 250. But lest those whose earnings only just bring them within this limit should in any particular cases be too hardly pressed by a 2 per cent. tax, we have left the one rupee grade of fee to serve as a safety valve for the feelings of sympathetic collectors.

We have next, at the risk of evoking a perfectly fresh phalanx of critics, sought to meet the objection that the maximum rate of tax originally proposed was too low. Rs. 200 per annum represented a 2 per cent. tax upon all trade incomes over Rs. 10,000 per annum. It was urged that many persons would thus be brought together in the highest class of licensees whose incomes were widely different, and it was argued that we were practically exempting the wealthy traders, while taxing substantially those of moderate means. It was felt by the latter to be a serious grievance that their richer neighbours should not pay more than they. We cannot hope to put a stop to this envying and grieving at the good of a neighbour, but we have introduced a higher grade of fee—Rs. 500—which will fall on all trade incomes estimated to amount to Rs. 25,000 and over. We have also made the tax on the wealthier trader more substantial by requiring separate licenses in each district where he carries on business, the amount of fee to be regulated by the amount of business done in the district. This arrangement will at the same time prevent complication in accounts and correspondence between districts. Lastly, I may repeat what I said when introducing the Bill, that the license is to be a personal matter. The tax is a personal tax upon certain classes subject always to the 2 per cent. limit upon incomes, and the Bill does not recognize firms other than Joint Stock Companies. The tax on the wealthier traders is thus on the whole quite heavy enough, and the most ill conditioned assessee in the lower grades *ought* to be satisfied that we have not allowed the rich to escape so easily as it was feared they might.

I stated when I introduced this Bill that the trades and industries of Bengal contributed almost nothing to imperial or provincial taxation, and that it was one of the chief objects of the measure to remove this anomaly. The wealthier Calcutta firms were, if we might judge from their silence, quite content that the anomaly should be removed, so long as the process did not involve the deduction of more than an imperceptible fraction from their annual earnings. But when it was decided to exempt the poorer classes of native traders, and it became necessary to seek compensation at the top of the mercantile scale, the tax upon trade ceased apparently to be acceptable, and cheap resignation has (if the daily papers are any test) given place to a healthy constitutional grumble. I can quite understand and even sympathise with the grumble, but I do not admit the validity of the argument in which it is expressed. It is not, in my humble judgment, sufficient to condemn this measure to say that it is not a license, but an income tax. When men say that 'an income tax' in India is a hateful measure, they mean "*the* income tax" technically so called and known, embodied in certain repealed enactments of the Indian Statute Book, by which direct perquisition was made into the precise amount of a man's profits from every source derived, and under which the amount he had to pay was a strict percentage on his total income. The tax now proposed is not '*The* income tax' or anything like it. The bogey style of argument has only to be looked at to make it disappear. I frankly admit *per contra* that the tax provided for in the Bill is not a license tax in the European acceptance of that term. A license tax properly so called prohibits the carrying on of any occupation, unless the tax for it is paid, and admits of *no* exemption. This is a tax upon the trading and industrial wealth of Bengal operating by means of a system of licenses, and limited ultimately as regards individual licenses by consideration of the amount of their trade income. It is avowedly an engine for increasing the public revenues, to enable those to meet charges necessary for the prevention and mitigation of the dire effects of famine, and it attempts to secure its object by taxing the classes who contribute least at present to the State exchequer, while benefiting



most by the State protection. It avoids all inquisitorial inquiry. It seeks, by the arrangement of the rates of fee, to facilitate fair assessments based upon general grounds. And it provides for direct reference to income only at the option of the tax-payer himself, recognising such reference as the only possible ultimate standard by which to judge of the fairness of any disputed assessment. Let it be called a license tax or an income tax, or what men will; so long as it is a necessary tax, moderately fair in its incidence, productive in its results, and practicable as regards its working, it is a tax to which no objections can be urged that would not apply to any measure having the same end in view which the Government might propose.

In the lower grades the Select Committee have followed the suggestion made at the introduction of the Bill, and have readjusted the rates of fee. They have also greatly improved the Bill, I think, as regards its general shape, and I trust that the Council may be able to accept it in the form it now takes.

The Select Committee have received only one communication of any importance with reference to this Bill. In a letter from the British Indian Association it is urged that the taxation now proposed ought not to be made permanent, and that an assurance should be given that the new burdens will be withdrawn as soon as the retrenchments which the Committee believe feasible are made in the Imperial expenditure. It is further urged that the tax is to all intents and purposes a public works cess, and that to impose this upon Bengal in addition to the provincial cess of 1877 is inequitable. In paragraphs 17 *et seq.* of their letter the Association criticise further the section providing for the application of the proceeds of the tax. These, Sir, are matters with which the Select Committee did not feel themselves competent to deal. They amount to criticisms of the Imperial policy, and will no doubt be duly considered and noticed in another place. There were, however, other suggestions made by the Association on points of detail to which the Committee have given full consideration. We have been able to meet the views of the Association by providing for remission of tax where a trader only works for a part of the year; by limiting the period within which recovery of tax can be effected by legal process; by giving an appeal to the Collector from the decisions of his subordinates; by making it clear that where a man is both agriculturist and trader, only his trade earnings are liable; and by fixing a minimum limit of incidence. The Local Government has also proposed to the Government of India that the stamp upon all petitions of objection and appeal under this Act should be limited to one anna. In some points we have not been able to accept the views of the Association; and in some we find that they had misunderstood the effects of the provisions of the Bill. For instance, the Bill does *not* make it compulsory upon Government to work the tax through municipalities in the interior. It is entirely optional with Government to use this agency in the mofussil. It may employ municipal agency in drawing up the lists and not in collecting the tax, and it may refrain from employing it altogether. Government will be guided entirely by the circumstances of each town in deciding how far to make use of these sections. It is only in Calcutta that it is imperative to use the municipal machinery, and this will probably be more agreeable to the trade of Calcutta than assessment at the hands of the Collector. In no case will the municipality have any interest in screwing up the tax, as the Association seem to fear. The amount of tax on each man will be settled before any bargain is made with a town for collections.

We have also received a communication from the Chamber of Commerce bringing to notice a doubt as to whether stevedores are taxable as cooly suppliers under the municipal schedules. We have cleared this up as regards the present Bill by specially naming that class under schedule B.

With these remarks, I have the honor to move that the Report of the Select Committee be taken into consideration."

#### ADJOURNMENT OF THE COUNCIL.

HIS HONOR THE PRESIDENT said that since he had fixed that day for the meeting of the Council, the sitting of the Council of the Governor-General had been postponed from Wednesday last to 1½ o'clock of that day, and it was

necessary that he, and also the learned Advocate-General, should be present at the meeting of that Council. Many of the amendments which his hon'ble friend Baboo Kristodas Pal intended to move in the License-tax Bill involved questions of policy which would be explained that day in the Council of the Governor-General in reference to the Bill for a license-tax on trades in the North-Western Provinces, and he thought his hon'ble friend should reserve the consideration of his amendments until after he had had an opportunity of hearing the exposition of the views of the Government, which His Honor hoped would satisfy him. Some of the amendments affected questions of Imperial policy which it was perhaps not within the power of this Council to discuss, and it would be more convenient if those questions were not brought forward here.

Anyway, His Honor was sure that the hon'ble member himself would wish, before bringing forward his amendments, to hear anything that might be said that day in the Council of the Governor-General on the questions to which his amendments related. Therefore, on the whole, he thought it would be better to adjourn the Council to 11 o'clock on Thursday next.

The Council was adjourned to Thursday, the 14th instant, at 11 A. M.



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 9th February 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, Feb. 9 '78	Nil Culna 0 06, Bood-Bood 0 26, Jehanabad 0 07.	Prospects of the <i>rubbee</i> crops are good. Cholera still continues in the Culna, Bood-Bood and Jehanabad sub-divisions. Fever is also prevalent in the Jehanabad sub-division.
	2 Bankoora, " 9 "	0 80	Weather—somewhat cloudy in the beginning of the week; the last part clear and cool, but gradually getting hot. The showers have done the crops good.
	3 Beerbhoom, " 9 "	Nil	Weather—getting rapidly warmer. State and prospects of the crops are satisfactory.
	4 Midnapore, " 9 "	0 21	Weather—growing hotter daily. The cold weather is apparently quite over. Prospects of the crops are fair as before.
	5 Hooghly, " 9 "	Nil	Weather—getting warm. No change in the state of the crops to report on since last week. State of public health is normal. Cattle disease has not as yet disappeared from thana Dhuniakhally.
PRESIDENCY DIVN.	Howrah, " 11 "	Nil	Weather—getting very warm. The only crop of any importance on the ground now is sugarcane, which is being cut and is yielding a good outturn.
	<i>Central Districts</i>		
	6 24 Pergunnas, Feb. 9 '78	0 02	Weather—hot during the day. Nights are cooler. State and prospects of the crops are satisfactory. Cholera and fever have much abated.
	7 Nuddea, " 9 "	Nil	The weather is beginning to be hot in the day and the sun is fast gaining power. The cold-weather crops may be said to be generally slightly below the average. None seem to be particularly good or particularly bad. The health of the district is a little better than it has been.
	8 Jessore, " 9 "	Nil	Weather—perceptibly warmer than last week. The last few mornings there have been dense fogs. State and prospects of the crops are favorable. A fine crop of sugarcane is being cut. Preparations for the sowings of spring rice are going on.
RAJSHAHY AND COOCH BEHAR DIVN.	9 Moorshedabad, " 9 "	Nil	Weather—warmer than is quite seasonable, but cool at night. Prospects of the crops continue on the whole satisfactory. Cholera still prevails in four thanas.
	10 Dinagepore, " 8 "	Nil	Weather—seasonable. Ploughing for the <i>aus</i> crop is becoming general.
	11 Rajshahye, " 9 "	Nil	Weather—warm and getting warmer. No rain has fallen during the week anywhere in the district. The <i>rubbee</i> crop is good. The <i>aman</i> crop has not been so good; it has been harvested. There have not been many cases of cholera, but fever is still prevalent.
	12 Rungpore, " 8 "	Nil	Weather—getting warm. All crops on the ground are doing well, but tobacco is rather bad. There is now little cholera.
	13 Bogra, " 9 "	Nil	Weather—fine and getting warmer. The cutting of the winter rice is over. In the eastern part of the district the land is being prepared for <i>aus</i> and jute crops. Sugarcane is being pressed. Price of rice is rising, 2 kutchasees are being sold per rupee in the bazar. Small-pox has appeared in the Dhoopchanchia outpost. Cholera has much abated, there being only nine fresh cases and four deaths reported during the week.
	14 Purnea, " 9 "	Nil	Weather—fine, clear, and seasonable. The harvesting of <i>huldi</i> and sugarcane is still going on. Prospects of the <i>rubbee</i> crops appear to be promising. Fever has not as yet quite disappeared from the Purnea town.
	15 Darjeeling, " 9 "	Nil	Cold, misty weather, with only occasional short intervals of sunshine. There are no crops of importance on the ground. The young crops of wheat and barley are doing well. Buck-wheat in the hills will shortly be reaped.
	16 Julpigoree, " 9 "	Nil	Hot weather is setting in early. Rain is needed. Prospects of tobacco and other winter crops are good.
	Cooch Behar, " 6 "	Nil	Weather—gradually getting warmer. Mornings and nights are cold. The wind is now blowing from the east. The cold-weather crops have improved by the little rain which fell in the previous week, but more is still wanted. The prospects of both mustard and tobacco are good. Prices of rice continue high. The health of the people is on the whole good, but fever has not as yet quite disappeared from Mathablanga.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.</i>			
DACCA DIV.	17 Dacca, Feb. 9 '78	Nil	Weather—warm, with heavy fogs in the morning. State and prospects of the crops are favorable, but rain would do good.
	18 Furreedpore, „ 9 „	Nil	Weather—warm. No rain, but occasional clouds. The <i>kalai</i> crop has been gathered in most places and sugarcane is being cut. Rain is generally wanted, but much rain would injure the crops that are in an advanced stage. There is still a good deal of fever in many parts of the district.
	19 Backergunge, „ 7 „	Nil	All is well, save that food is getting dear.
	20 Mymensingh, „ 8 „	Nil	Weather—fine and mild. The cold weather crops have been nearly all harvested; the outturn is an average one.
	21 Tipperah, „ 8 „	Nil	Weather—dull, but dry. The cold-weather crops are giving a good outturn. <i>Boro dhan</i> promises well.
CHITTAGONG DIV.	22 Chittagong, „ 7 „	Nil	Weather—fine and warm. The crops are fair, but want rain. Rice is rising in price.
	23 Noakholly, „ 7 „	Nil	Weather—seasonable. The cold-weather crops are progressing favorably. Public health is good.
	24 Chittagong Hill Tracts, „ 5 „	Nil	Weather—seasonable. The hillmen have begun to cut jungle for jooming.
	Hill Tipperah, „ 6 „	Nil	Weather—warm for the season and occasionally cloudy. Prospects of chillies and other cold-weather crops continue good.
<b>BEHAR.</b>			
PATNA DIV.	25 Patna, Feb. 9 '78	Nil	Weather—seasonably cold. State and prospects of the crops are the same as in last report.
	26 Gaya, „ 9 „	Nil	Weather—hot at midday and cloudy. Maximum thermometer in the shade 86°0. No change in the prospects of the crops since last report.
	27 Shahabad „ 9 „	Nil	Weather—generally clear, but cloudy occasionally. The state of the crops in the fields is the same as reported in the preceding week. Sugarcane is commenced to be manufactured. Prices are daily rising.
	28 Durbhunga, „ 9 „	Nil	Weather—fine and warm. Prospects of the <i>rubbee</i> crops are favorable. The harvesting of the oil seeds has commenced.
	29 Mozufferpore, „ 9 „	Nil	Weather—getting warm. The <i>rubbee</i> crops are doing well and prospects are fair. Tobacco and <i>rahar</i> have been somewhat injured. Poppy looks better owing to the late rains.
	30 Saran, „ 9 „	Nil	Weather—seasonable. Cloudy on the 7th and 8th instant. West wind is prevailing. The <i>rubbee</i> crops are fair on the whole. Wheat, barley, and <i>rahar</i> are doing well; poppy is in flower. Early peas and mustard are being gathered. Indigo fields are ready for sowing. Slight injury to <i>rahar</i> , peas and mustard from frost and blight has been reported from most tracts. All the <i>rubbee</i> crops, however, for seventy miles along the banks of the Gogra, are very fine. Prices are stationary. Public health is good.
BHAGULPORE DIVISION.	31 Chumparan, „ 11 „	Nil	Weather—becoming warmer. Prospects of the <i>rubbee</i> crops are the same as before.
	32 Monghyr, „ 9 „	Nil	Weather—cloudy and warm. State and prospects of the crops are good.
	33 Bhagulpore, „ 9 „	Nil	Weather—cloudy and warm for the season. Prospects of the <i>rubbee</i> crops continue favorable. This week prices are easier. Exportation of food-grains still continues. General health is good.
	34 Purneah, „ 9 „	Nil	High west wind. Weather is daily getting warmer owing to the want of rain. The outturn of the <i>rubbee</i> crops will not be first-rate. Prices which were rising have fallen considerably owing to the importation of rice from Nepal, from which country during the past few months no export has been allowed.
	35 Maldah, „ 9 „	Nil	Weather—fair. The reaping of the <i>haimunti</i> rice is nearly over. Some of the <i>rubbee</i> crops are still in the field and promise well. The <i>boro</i> paddy is flourishing. The last week's rain has done much good to the existing plantations. The public health is improving week after week.
	36 Sonthal Pergah, „ 10 „	Nil	Weather—sometimes cloudy; threatening rain, but none fell; hot weather is setting in. No change in the prospects of the crops. Prices are rising in consequence of export.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.			
ORISSA DIV.	37 Cuttack, Feb. 9 '78	Nil	Weather—fine and warm. No change in the state and prospects of the crops since last report.
	38 Pooree, „ 7 „	Nil	Weather—warm for the season. <i>Saradh</i> rice is being harvested. <i>Dalua</i> rice is progressing well in the low lands. <i>Moong</i> and <i>kabai</i> promise well. <i>Mandia</i> crop in the salt tracts is suffering for want of rain. Common rice is selling at 15½ to 21 seers for the rupee. The export of rice appears to be on the increase. Public health is good.
	39 Balasore, „ 8 „	0.24	Weather—warm and cloudy. The cold-weather crops are fair. Cases of cholera are fewer.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
40	Hazareebagh, Feb. 8 '78	0.07	Weather—considerably warmer. Prospects of the <i>rubbee</i> crops continue fair. Fine bright weather is required for the <i>mohwa</i> crop.
41	Lohardugga, „ 9 „	0.30	There has been light rain in seven out of thirteen police circles in head-quarters division, and the <i>rubbee</i> prospects are favorable. In Palamow 20 of an inch has fallen, but on account of previous drought the <i>rubbee</i> is expected to be below the average. Public health is good.
42	Singbhoom, „ 8 „	0.58	Weather—seasonable. Nothing to report about the crops. The district is healthy.
43	Manbhoom, „ 9 „	0.80	Weather—seasonable. There is little to report. The <i>mohwa</i> crop is anxiously looked for. If it fails there will be scarcity.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 12th February 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS	STATIONS	Rain from 26th Jan. to 26th Jan. 1878.	Rain from 27th Jan. to 2nd Feb. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.	1878.			
	Burdwan	Burdwan	Nil	0 23	0 20	2nd Feb		
		Cutwa	ditto	0 00	0 11	ditto		
		Culna	ditto	0 10	0 10	ditto		
		Bood-Bood	ditto	0 26	0 20	ditto		
		Rameegunge	ditto	0 39	0 39	ditto		
	Jehanabad	Jehanabad	ditto	0 57	0 52	ditto		
	Bankoora	Bankoora	ditto	0 95	1 07	ditto		
	Beerbhoom	Sooree	ditto	0 29	0 11	ditto		
		Hetampore	ditto	0 01	0 06	ditto		
		Roypore	ditto	0 20	0 20	ditto		
	Midnapore	Midnapore	ditto	Not recd.	1 12	26th Jan.		
		Tumlook	ditto	Nil	1 05	2nd Feb		
		Ghattal	ditto	0 10	1 05	ditto		
		Contai	{ Dy. Collr.'s Office	ditto	Nil	0 35	ditto	
			{ Exe. Engr.'s Office	ditto	ditto	0 47	ditto	
Hooghly	Hooghly	ditto	0 17	0 17	ditto	Not received 13th to 19th Jan. Ditto ditto.		
	Serampore	ditto	0 68	0 91	ditto			
Howrah	Howrah	ditto	0 06	1 71	ditto			
	Maheshnaka	ditto	0 10	2 15	ditto			
CENTRAL DISTRICTS								
PRESIDENCY.	24-Pergunnahs	Saugor Island	ditto	Nil	0 50	ditto		
		Alipore	{ Observatory	ditto	0 02	0 02	ditto	
			{ Dispensary	ditto	0 08	2 88	ditto	
			{ Jail	ditto	Nil	2 78	ditto	
		Busseerhat	ditto	ditto	0 82	ditto		
		Baraset	ditto	0 13	0 52	ditto		
		Diamond Harbour	ditto	Nil	1 11	ditto		
		Barrapore	ditto	Not recd.	1 37	26th Jan.		
		Satkhira	ditto	Nil	1 11	2nd Feb		
		Barackpore	ditto	0 07	0 91	ditto		
	Nuddea	Dum-Dum	ditto	0 04	1 29	ditto		
		Kishnoghur	ditto	0 00	0 01	ditto		
		Pongong	ditto	0 17	0 17	ditto		
		Meherpore	ditto	Nil	Nil	ditto		
		Choudanga	ditto	ditto	0 65	ditto		
		Kooshtea	ditto	0 11	0 21	ditto		
		Ranaghat	ditto	0 13	0 13	ditto		
		Jessore	ditto	0 12	0 09	ditto		
		Narail	ditto	0 06	0 17	ditto		
		Khoolna	ditto	Nil	0 98	ditto		
	Jessore	Jhemda	ditto	0 01	0 51	ditto		
		Ragubhat	ditto	Nil	0 19	ditto		
		Magoorah	ditto	0 01	0 79	ditto		
		Berhanpore	ditto	0 20	0 29	ditto		
	Moorshedabad	Rampore Haut	ditto	Nil	0 14	ditto		
		Lalibagh	ditto	ditto	Nil	ditto		
		Jungypore	ditto	ditto	0 17	ditto		
		Azamgunge	ditto	0 53	0 53	ditto		
	Dinagopore	Lalgolla	ditto	Nil	0 10	ditto		
		Kandee	ditto	0 37	0 37	ditto		
		Dinagopore	ditto	0 59	0 59	ditto		
		Raizunge	ditto	0 60	0 60	ditto		
	Maldah	Maldah	ditto	1 12	1 12	ditto		
		Chanchal	ditto	0 80	0 80	ditto		
	Rajshahye	Bauleah	ditto	0 02	0 02	ditto		
		Nattore	ditto	Nil	Nil	ditto		
		Rungpore	ditto	ditto	ditto	ditto		
		Bhabanigunge	ditto	ditto	ditto	ditto		
	Rungpore	Kurigram	ditto	ditto	ditto	ditto		
		Bagdogra	ditto	0 37	0 37	ditto		
Bogra	Bogra	ditto	0 16	0 16	ditto			
	Sherpore	ditto	0 11	0 11	ditto			
	Nowkhilla	ditto	0 12	0 12	ditto			
	Panchabibi	ditto	0 74	0 74	ditto			
	Halulya	ditto	Not recd.	Nil	26th Jan.			
Pubna	Pubna	ditto	0 04	0 07	2nd Feb.			
	Serajgunge	ditto	0 03	0 13	ditto			
Darjeeling	Darjeeling	{ Telegraph Office	ditto	Not recd.	0 37	26th Jan.		
		{ Hospital	ditto	0 30	0 67	2nd Feb.		
Julpigoree	Julpigoree	ditto	0 13	0 13	ditto			
	Badah	ditto	Nil	Nil	ditto			
	Buxa—Civil Surgeon's Office	0 33	0 20	0 53	ditto			
	Titalya	ditto	Nil	0 22	0 22	ditto		
Cooch Behar	Tributary States.	Cooch Behar	ditto	0 00	0 00	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 20th Jan. to 28th Jan. 1878.	Rain from 27th Jan. to 2nd Feb. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL—continued.								
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.		1878.		
		Dacca... { Telegraph Office... Nil Hospital ditto Not recd.			0.18 28th Jan. 0.73 2nd Feb.			
	Moonshceegunge ... ditto Manickgunge ... ditto			0.38 ditto 0.33 ditto				
		Furzedpore ... { Furzedpore ... ditto Goulundo ... ditto Madaripore ... ditto		0.03 Nil ditto	0.03 ditto 0.78 ditto 0.02 ditto			
			Backergunge ... { Burrisal ... ditto Perozepore ... ditto Patoakhally ... ditto Bhola ... ditto			0.63 ditto 0.55 ditto 0.30 ditto 0.38 ditto		
	Mymensingh ... { Mymensingh ... ditto Janialpore ... ditto Atia ... ditto Kishoregunge ... ditto					Nil ditto ditto ditto ditto ditto 0.01 0.60 ditto		
		Chittagong ... { Chittagong { Telegraph Office ditto Nil Nil ditto Jail ditto ditto Cox's Bazar ... ditto Nil ditto						
				Noakholly ... { Noakholly ... ditto Fenny ... ditto			1.19 ditto 2.48 ditto	
			Tipperah ... { Comillah ... ditto Brahmunbariah ... ditto				0.90 ditto 1.43 ditto	
	Chittagong Tracts. Hill Rungamtee Hill... ditto ditto 0.52 ditto							
	Hill Tipperah ... Hill Tipperah ... ditto ditto 0.62 ditto							
	BEHAR.							
	PATNA.	Patna ... { Patna ... ditto Behar ... ditto Barh ... ditto Dinapore ... { Jail Not recd. Not recd. Cantonment... Nil		0.35 0.57 0.35 Nil	1.11 1.15 0.80 0.60 0.53 1.50	ditto ditto ditto 12th Jan 2nd Feb.		
			Gya ... { Gya ... ditto Nowadah ... ditto Anrungalad ... ditto Jehanabad ... ditto		0.02 0.29 Nil 0.33	0.85 1.71 0.84 2.11	ditto ditto ditto ditto	
Shahabad ... { Arrah ... ditto Sasseram ... ditto Buxar ... ditto Bhuboosah ... ditto					0.60 Nil 0.18 Nil	1.98 0.80 2.50 2.80	ditto ditto ditto ditto	
				Mozufferpore ... { Mozufferpore ... ditto Hajerpore ... Not recd. Seetampurhee ... Nil		Not recd. ditto ditto	0.22 0.64 0.21	26th Jan. 19th Jan. 26th Jan.
		Durbhunga ... { Durbhunga ... 0.44 Mudhoobunnee ... Nil Tajpore ... ditto				0.33 0.72 0.17	0.93 0.90 0.17	2nd Feb. ditto ditto
			Saran ... { Chupra ... ditto Sewan ... ditto			0.62 0.96	1.22 1.86	ditto ditto
Chumparun ... { Motiharee ... ditto Bettiah ... ditto Segowlie ... ditto					0.58 0.61 0.64	0.78 0.71 0.64	ditto ditto ditto	Not received 13th to 19th Jan.
		Monghyr ... { Monghyr ... ditto Begoeserai ... ditto Jamoece ... ditto		0.54 0.79 0.20	0.63 0.92 1.02	ditto ditto ditto		
			Bhagulpore ... { Bhagulpore ... ditto Soopool ... ditto Muddehpooa ... ditto Banka ... ditto Soubursa ... ditto		1.20 Nil ditto 0.17 0.40	1.41 Nil 0.30 1.37 0.40	ditto ditto ditto ditto ditto	
Purneah ... { Purneah ... ditto Kissengunge ... ditto Arrareah ... ditto					0.09 0.48 0.19	0.09 0.48 0.19	ditto ditto ditto	
		Sonthal Pergunnahs... { Nya Doomka ... ditto Rajmehal ... ditto Deoghur ... ditto			Nil ditto Not recd.	0.37 Nil 0.58	ditto ditto 26th Jan.	
				Godda ... ditto Nil Nil 2nd Feb.				

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 20th to 26th Jan. 1878.	Rain from 27th Jan. to 2nd Feb. 1878.	RAIN FROM 1ST JANUARY 1878.		
			Inches.	Inches.	Inches.	Up to date	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	2nd Feb.	
		{ Hospital	ditto	0.14	0.26	ditto	
		Jaggore	ditto	Nil	Nil	ditto	
		Kendraparah	0.30	ditto	0.30	ditto	
		Jagatsingapore	Nil	ditto	Nil	ditto	
		False Point	0.20	ditto	0.20	ditto	
		Pooree	Pooree	Nil	ditto	Nil	ditto
			Khurdah	ditto	ditto	0.07	ditto
		Balasore	Balasore...	ditto	0.18	0.68	ditto
			Bhadrack	0.05	0.10	0.10	ditto
	Jellasore		Nil	0.05	0.88	ditto	
	Sorah		ditto	0.08	0.08	ditto	
	Cuttack Tributary Mebals.	Chandbally	0.20	Nil	0.20	ditto	
		Sumbalporo	Nil	Not recd.	Nil	26th Jan.	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh	{ Jail	ditto	0.23	0.23	2nd Feb.
			{ Dispensary	ditto	0.24	0.27	ditto
	Lohardugga	Pachamba	ditto	ditto	0.07	0.27	ditto
		Ranchee	ditto	ditto	0.48	0.48	ditto
	Singbhoom	Palamow	ditto	ditto	0.01	0.09	ditto
		Chyebassa	ditto	ditto	1.18	1.06	ditto
	Maubhoom	Puruha	ditto	ditto	0.37	0.51	ditto
		Govindpore	ditto	ditto	0.54	0.63	ditto
	ASSAM & ADJA- CENT HILLS.						
Sylhet	Sylhet	ditto	ditto	Nil	0.10	ditto	
Sibsagar	Sibsagar	ditto	ditto	Not recd.	0.38	26th Jan.	
	Golaghat	ditto	ditto	ditto	0.67	ditto	
	Jorhat	ditto	ditto	ditto	0.01	ditto	
Rajpootana	Akyab	ditto	ditto	Nil	Nil	2nd Feb.	
	Alwar	ditto	ditto	ditto	ditto	ditto	
	Jaipur	0.39	ditto	ditto	0.39	ditto	
	Sambhar	0.10	ditto	ditto	0.10	ditto	

CALCUTTA,  
The 9th February 1878.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.



*Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anemometric Results and Cloud Observations.*

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND										Percentage and Resultant.	Mean velocity daily.	Mean clouds.
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.	Variable.	Calm.			
Seebaugor ...	30.081	62.5	...	19	19	4	5	3	...	...	...	12	64 N 84 E	21.7	7.18
Gualpara ...	30.050	65.6	...	3	13	2	...	...	1	1	...	42	24 N 85 E	23.0	3.44
Darjeeling ...	...	...	...	3	2	...	16	19	16	2	3	...	60 S 44 W	...	5.48
Purneah ...	30.14	63.7	...	6	6	2	...	6	38	4	...	...	64 N 85 W	42.9	2.31
Durbhunga ...	30.16	63.5	...	2	6	6	3	16	23	1	...	...	55 S 62 W	65.4	3.32
Patna ...	30.08	63.1	...	3	1	...	...	2	63	2	...	1	81 S 89 W	28.3	5.45
Gya ...	30.070	63.8	6	8	6	7	...	3	18	12	...	3	27 N 45 W	47.0	5.00
Huzareebagh ...	30.075	67.1	...	1	2	...	2	6	15	33	...	2	67 N 66 W	136.2	8.14
Berhampore ...	30.13	66.0	20	...	...	...	...	6	9	27	...	...	76 N 43 W	61.9	3.27
Burdwan ...	30.11	68.7	24	3	...	...	4	4	4	22	...	1	65 N 30 W	62.1	3.08
Jessore ...	30.36	67.3	27	3	...	4	2	...	3	23	...	...	63 N 19 W	42.6	2.31
Dacca ...	30.29	69.2	14	6	...	1	2	6	4	23	...	7	61 N 37 W	59.8	2.42
Silchar ...	30.39	65.9	3	4	5	2	...	...	1	...	...	48	14 N 68 E	27.7	4.18
Chittagong ...	30.30	69.4	17	16	...	...	4	10	7	...	...	7	61 N 12 W	72.4	1.76
Domagree ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alipore ...	30.44	66.9	34	6	7	2	4	15	7	47	...	...	65 N 35 W	90.4	2.37
Saugor Island ...	30.28	70.2	40	29	4	4	14	0	6	17	...	2	40 N 5 E	144.7	3.07
Cuttack ...	30.38	74.9	11	21	16	...	2	2	6	6	...	4	48 N 26 E	41.1	3.48
Fake Point ...	30.52	70.4	4	20	16	8	2	2	4	2	...	3	51 N 70 E	117.4	4.69
Vizagapatam ...	30.23	73.2	...	7	85	26	2	1	1	2	...	...	86 S 82 E	54.4	2.50
Madras ...	30.05	78.6	9	42	10	1	...	...	...	...	...	...	89 N 47 E	159.3	5.80
Akyab ...	30.36	71.9	12	13	3	...	...	3	12	17	...	...	57 N 24 W	60.3	3.08
Port Blair ...	29.92	80.9	11	33	15	...	...	...	...	3	...	...	83 N 45 E	149.6	6.42
Nancowry ...	30.29	80.6	...	7	15	36	3	...	...	1	...	...	61 S 63 E	143.2	5.18
Rooker ...	30.081	60.5	...	2	...	16	1	3	1	24	...	15	13 N 62 W	60.6	3.80
Allahabad ...	30.65	63.9	2	7	4	4	1	8	6	13	...	17	14 N 64 W	31.4	3.80

## NOTE.

*Barometric Pressure.*—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 18. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table, "Prof. papers on Indian Engineering, No. CXIII." The temperatures at the sea-level are taken from column 3 of the above table.

*Temperature.*—The temperatures in column 3 are reduced from those in column 18 on the preceding page, by adding 1° Fahrenheit for every 450 feet.

*Wind Resultant.*—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

*Cloud.*—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 10.

The above, being all comparable, afford the data for constructing a meteorological chart for the month which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

JOHN ELIOT, M.A.,

*Meteorological Reporter to the Govt. of Bengal.*

CALCUTTA,

The 9th February 1878.



## Meteorological Telegraphic Report for the period 3rd to 9th February 1878.

STATIONS.	Date	Hour	Barometer corrected to sea- level.	Barometer reduced to sea- level.	HYGROMETER		Height in feet	Wind		Rain	Clouds	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
CALCUTTA.	Feb. 3rd	0	30.128	30.150	74.0	67.0	68	S W by S	1.0	...	CK	c
		16	30.077	30.090	81.2	69.0	51	W by S	3.7	...	K	c
	4th	10	30.111	30.150	75.3	69.7	75	N	1.8	0.2	...	b
		16	30.017	30.039	83.1	69.5	48	N N E	4.0	...	...	b
	5th	10	30.140	30.152	75.8	63.0	45	E by N	4.0	...	...	b
		16	30.024	30.045	81.6	66.4	42	N W	5.0	...	...	b
	6th	10	30.113	30.150	75.0	62.2	44	N E by N	5.3	...	C	c
		16	30.008	30.040	81.3	62.2	31	W N W	5.0	...	CK, CS	c
	7th	10	30.103	30.115	76.9	68.5	62	N W by W	2.5	...	...	b
ALIPORE.		16	29.991	30.013	84.6	71.5	49	W S W	8.3	...	CK	b
	8th	10	30.004	30.110	74.1	72.2	90	W S W	1.8	...	T, FK	c, g
		16	29.917	29.968	85.5	71.0	56	W S W	5.7	...	C, CK	c
	9th	0	30.004	30.015	79.7	70.0	61	W by N	4.3	...	...	b
		16	29.810	29.861	88.1	72.1	43	W	7.3	...	K	c
SAUGOR ISLAND.	Feb. 3rd	10	30.111	30.110	70	70	73	W N W	3.8	...	...	b, m
		16	30.002	30.008	79	73	74	S	7.8	...	...	b, m
	4th	0	30.113	30.112	77	72	77	N N E	4.4	...	K	b, m
		16	30.011	30.027	81	75	74	S S W	6.8	...	FK	b, m
	5th	10	30.119	30.115	79	70	61	N E	6.8	...	...	b, m
		16	30.122	30.028	83	71	53	S W	4.4	...	...	b, m
	6th	10	30.152	30.158	76	69	69	N N W	4.1	...	C	b, m
		16	30.024	30.029	83	77	75	N	7.2	...	FK	b, m
	7th	10	30.151	30.157	78	75	86	W	2.3	...	FK	b, m, f
CHITTAGONG.		16	30.050	30.053	81	76	78	S	8.3	...	...	b, m
	8th	10	30.102	30.108	81	77	83	S W	7.3	...	K	b, m
		16	29.971	29.977	82	77	79	S	11.8	...	K	b, m
	9th	10	30.006	30.012	81	78	87	S W	9.8	0.10	FK	b, r, m
		16	29.850	29.865	83	78	79	S	10.1	...	C	b, m
AKYAB.	Feb. 3rd	10	30.031	30.118	74	66	61	N	3.7	...	...	b, m
		16	30.035	30.120	74	66	59	N	4.2	...	...	b, m
	4th	10	30.018	30.132	77	66	51	N N E	3.1	...	...	b, m
		16	30.071	30.095	76	66	56	N N E	4.7	...	...	b, m
	5th	10	30.064	30.102	77	67	57	N E	4.5	...	CS	b, m
		16	30.061	30.115	77	63	61	N N W	4.3	...	...	b, m
	6th	10	29.973	30.061	80	75	78	S W	3.2	...	CK	b, m
	7th	10	30.100	30.122	79	68	74	N	3.1	...	C	b
		16	30.119	30.110	80	65	51	N W	1.4	...	...	b
CUTTACK.	5th	10	30.001	30.103	80	69	55	N W	5.7	...	...	b
	6th	10	30.100	30.122	78	65	46	N	4.7	...	C	b
	7th	10	30.111	30.155	78	63	50	N	2.4	...	...	b
	8th	10	30.009	30.111	78	67	54	N W	2.7	...	...	b
	9th	10	30.013	30.070	78	69	61	E	1.8	...	...	b
FAIRFAX POINT.	Feb. 3rd	10	29.976	30.070	80	71	62	N N E	1.5	...	C, CK	c
		16	30.016	30.120	79	76	87	N N W	1.3	...	C	b
	4th	10	30.053	30.136	81	74	71	E S E	1.1	...	...	b
		16	30.071	30.154	82	73	63	S E	1.4	...	CK, C	b
	5th	10	30.081	30.164	82	73	63	W S W	1.0	...	...	b
		16	30.085	30.107	84	73	57	W S W	2.1	...	...	b
	6th	10	29.917	29.998	88	73	46	W N W	2.1	...	...	b
	7th	10	30.127	30.142	78	71	70	CALM	5.6	...	CK, C	b
		16	30.125	30.110	80	71	62	W N W	2.4	...	...	b
VIZAGAPATAM.	4th	10	30.126	30.141	81	73	67	CALM	3.6	...	...	b
		16	30.152	30.167	80	74	74	CALM	2.6	...	C, K	c
	5th	10	30.104	30.173	81	75	74	W S W	3.1	...	CK, PG, C	b
		16	30.067	30.122	83	70	49	S W	1.7	...	...	b
	6th	10	30.005	30.020	84	75	64	S W	6.9	...	...	b
MADRAS.	Feb. 3rd	10	30.007	30.120	80	71	62	S E by E	1.5	...	...	b
		16	30.119	30.151	81	71	62	S S E	1.2	...	...	b
	4th	10	30.116	30.148	81	73	67	S E by E	1.2	...	...	b
		16	30.126	30.158	81	72	62	E by S	1.3	...	...	b
	5th	10	30.115	30.167	82	73	63	E by N	1.6	...	...	b
		16	30.116	30.148	81	71	59	W	1.6	...	...	b
	6th	10	30.010	30.081	83	73	60	W	1.7	...	...	b
	7th	10	30.017	30.090	84	74	60	N E by E	9	...	...	b
		16	30.126	30.149	84	73	57	E N E	7	...	...	b, c
COLOMBO.	5th	10	30.035	30.053	84	73	50	E N E	9	...	...	b, c
		16	30.114	30.137	83	74	63	N N E	6	...	...	b
	6th	10	30.033	30.016	84	73	57	N N E	10	...	...	b, c
		16	30.133	30.157	86	75	58	N E by N	8	...	...	b, c
	7th	10	30.012	30.034	85	74	68	N N E	13	...	...	b, c
		16	30.123	30.146	84	72	54	N E	2	...	...	b, c
	8th	10	29.998	30.020	85	73	54	N E by N	11	...	...	b, c
	9th	10	29.918	29.989	84	77	72	N E	7.9	...	C	b
		16	30.016	30.059	83	74	63	N E	15.0	...	C	b

\* Velocity of wind in miles per hour.

## Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th February 1878.

Month.	Date	Maximum in sun.	Mean pressure: Barometer at 32° Fahr.	TEMPERATURE				HYGROMETRY.				WIND.		Rain	WEATHER.
				Mean.	Maximum.	Relative.	Minimum.	Wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		(°)	Inches.	(°)	(°)	(%)	(°)	(°)	Inches.	(°)	(%)			Inches	
Feb.	3rd	132.7	30.038	70.7	81.6	21.3	59.3	65.0	0.572	62.8	76	Till 3 p.m. S S W through W and S W, till 10 p.m. W by N through S W, till midnight S W by W through W.	66	Nil	Partially cloudy <i>f</i> , <i>w</i> , <i>g</i> , <i>d</i> , and <i>l</i> .
"	4th	113.3	30.061	72.1	83.2	19.2	61.0	67.8	0.625	65.3	80	Till noon N by W through W and N W, till midnight N W by N.	78	0.02	Clear, <i>f</i> and <i>w</i> .
"	5th	110.6	30.067	70.3	81.5	21.0	61.5	63.5	0.491	58.6	66	Till 11 a.m. N E by E through N, till 2 1/2 p.m. W N W through N E, N and N W, till midnight N by W through N W.	87	Nil	Clear, and <i>w</i> .
"	6th	111.7	30.076	70.6	81.7	20.5	61.2	61.7	0.431	51.8	57	Till 1 p.m. N N E through N, till midnight W through N and N W.	97	"	Partially cloudy and <i>w</i> .
"	7th	141.7	30.062	73.0	81.5	21.7	59.8	67.0	0.583	63.3	72	Till 9 a.m. N by W through N W, till midnight W S W through N W and W.	93	"	Morning cloudy, day and night clear, <i>o</i> and <i>w</i> .
"	8th	141.5	30.066	73.8	86.5	21.0	65.5	70.9	0.718	69.3	86	W S W, S W by S, & S W by N.	102	"	Partially cloudy, <i>o</i> , <i>g</i> , and <i>w</i> .
"	9th	141.5	29.913	77.4	88.0	15.5	72.5	71.0	0.673	67.4	71	S W by W & W S W.	119	"	Chiefly clear, <i>f</i> , and <i>w</i> .

The mean pressure of the seven days ... 30.032  
The average pressure of the corresponding period for 25 years ... 29.967

The mean temperature of the seven days ... 72.6  
The average temperature of the corresponding period for 25 years ... 70.1  
The extreme variation of temperature during the seven days ... 28.7  
The maximum temperature during the seven days ... 88.0

The mean relative humidity during the seven days ... 73  
The average relative humidity of the corresponding period for 25 years ... 70

The total fall of rain from 3rd to 9th February 1878 ... 0.02  
The average fall of the corresponding period for 25 years ... 0.35  
The total fall from 1st January to 9th February 1878 ... 0.04  
The average fall of the corresponding period for 25 years ... 0.91

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h. and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*f* foggy, *w* dew, *g* gloomy, *d* drizzling, *l* lightning, *o* overcast.

\* Fell at 11 p.m. of the 3rd.

JOHN ELIOT, M.A.;  
Meteorological Reporter to the Government of Bengal,  
for Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,  
The 11th February 1878.

**Abstract of the results of the Meteorological Observations taken at the Alipore  
Observatory in the month of January 1878.**

		Inches.	Date.	Hour.
The mean pressure of the month	...	30.057		
The average pressure of 25 years	...	30.017		
The highest pressure during the month	...	30.238	11th	10h.
The lowest pressure during the month	...	29.746	1st	16h.
The range of pressure during the month	...	0.492		
<hr/>				
The mean temperature of the month	...	64.6		
The average temperature of 25 years	...	67.7		
The highest temperature during the month	...	83.5	28th	16h.
The lowest temperature during the month	...	45.5	4th	6h.
The range of temperature during the month	...	38.0		
The mean daily range of temperature during the month	...	21.2		
The greatest range of temperature in one day during the month	...	28.6	7th	
<hr/>				
The mean humidity during the month	...	72		
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The mean vapour tension during the month	...	0.445		
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The average humidity of 25 years	...	71		
<hr/>				
The average vapour tension of 11 years	...	0.468		
The mean cloud proportion of the month	...	2.08		
<hr/>				
The total rainfall of the month	...	Nil		
The average fall of 50 years	...	0.47		
The greatest fall in 24 hours	...	Nil		
<hr/>				
The number of rainy days in the month	...	Nil		
The average number of rainy days of 25 years	...	2		
<hr/>				
The mean maximum equilibrium temperature of solar radiation of the month	...	131.9		
The mean difference of sun and air temperatures	...	55.3		
The greatest sun temperature	...	143.0	26th	
The greatest excess of sun over air temperature	...	67.0	10th	
The mean temperature of nocturnal radiation thermometer on woollen cloth	...	48.2		
The mean depression of nocturnal radiation thermometer below the minimum of air	...	7.2		
The greatest depression of nocturnal radiation thermometer below the minimum of air	...	11.5	4th	
<hr/>				
The mean movement of the wind per day	...	83.0		
The greatest movement of the wind in one day	...	162.0	2nd	
The greatest movement of the wind in one hour	...	14.0	3rd noon & 23rd 11h.	
The number of hours under each of the 8 points—				

N163, NE67, E24, SE4, S51, SW92, W105, NW169, Calm 39.

JOHN ELIOT, M.A.,  
*Meteorological Reporter, Govt. of Bengal,  
for Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA, the 11th February 1878.

The results of the observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1° or 1½° lower; and finally, the thermometer which has furnished the record of temperature at the Surveyor-General's Office during the last twenty years and upwards is found to read 0.6° higher than the Kew standard thermometer, which is the standard of reference at the present observatory.

JOHN ELIOT, M.A.,  
*Meteorological Reporter, Govt. of Bengal,  
for Meteorological Reporter to the Govt. of India.*

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

ORISSA CIRCLE.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of December 1877.

Kendrapara Canal.

LENGTH OF CANAL OPEN—39 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

LOCAL TRAFFIC.

(1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
84	Paddy .....	85,982	1,71,964	22,444	802	30,996	322 15 0	...
58	Rice, &c. ....	10,634	73,321	22,303	797	30,092	338 12 9	...
6	Gunny-bags .....	500	2,000	936	33	1,320	13 2 0	...
2	Gram .....	222	800	259	9	360	5 0 3	...
5	Jute, &c. ....	1,022	4,650	1,493	53	1,670	12 9 9	...
8	Salt fish .....	228	2,400	553	25	808	6 14 0	...
12	Spices .....	1,475	29,500	2,948	105	4,190	42 0 0	...
11	Cloth, packages .....	1,270	25,400	2,039	96	3,840	35 4 0	...
1	Chulies .....	40	400	60	2	80	0 12 0	...
11	Salt .....	1,920	9,600	2,848	101	2,952	30 0 0	...
1	Plate, &c. ....	100	300	123	4	160	1 8 0	...
6	Gallinuts .....	1,505	1,505	2,161	77	3,080	31 2 0	...
6	Cotton .....	1,150	11,500	1,610	58	928	10 12 0	...
2	Hemp .....	198	3,960	264	9	216	3 12 0	...
3	Laterite stone .....	1,000	16	1,345	45	1,410	7 8 0	...
1	Turneric .....	200	1,000	318	11	176	3 0 0	...
10	Sleeper .....	4,092	13,289	6,086	217	8,680	89 4 0	...
29	Timber .....	8,468	27,116	12,640	451	16,482	162 10 0	...
3	Hides .....	974	9,740	1,478	53	1,992	21 12 0	...
3	Miscellaneous .....	240	4,850	504	19	720	6 12 0	...
1	Gravel .....	300	8	414	15	600	6 0 0	...
3	Furniture .....	420	870	620	23	488	0 10 0	...
1	Opium .....	200	10,000	726	26	1,040	10 14 0	...
1	Castor seeds, &c. ....	533	3,196	533	19	760	11 9 3	...
27	Jaggery .....	3,700	19,545	6,303	225	4,350	51 6 0	...
2	Wheat .....	600	1,800	845	30	1,200	12 6 0	...
3	Firewood .....	700	150	704	29	896	11 11 9	...
4	Bamboos .....	472	62	710	25	1,000	10 2 0	...
2	Tiles .....	390	95	674	24	960	9 12 0	...
2	Passengers, two in number .....	.....	.....	125	4	40	1 12 1	...
275	Empty boats .....	.....	.....	30,649	1,094	35,680	346 1 2	...
582	Total .....	1,34,534	4,29,737	1,25,465	4,483	1,58,196	1,623 10 0	0 13
175	Total of same month last year .....	14,342	35,005	30,597	1,093	20,995	224 13 9	0 20
MISCELLANEOUS.								
...	Bamboos, 41,960 in number .....	.....	714	...	...	...	73 8 8	...
...	Timbers, 289 in number .....	.....	1,166	...	...	...	82 4 0	...
...	Demurrage on boats .....	.....	.....	.....	.....	.....	5 5 0	...
...	Total .....	.....	1,870	...	...	...	161 1 8	...
...	Total of same month last year .....	.....	343	.....	.....	.....	19 2 8	.....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

1	Planks .....	160	64	218	8	124	1 0 0	.....
1	Timber .....	100	325	195	7	112	0 14 0	.....
1	Calingula boards .....	80	90	60	2	60	0 8 0	.....
2	Stone .....	1,000	14	1,996	71	1,136	9 12 0	...
1	Sundries .....	200	520	358	13	390	3 8 0	...
8	Empty boats .....	.....	.....	956	34	592	8 8 0	...
14	Total .....	1,490	1,013	3,781	135	2,418	24 2 0	0 10
5	Total of same month last year .....	200	50	930	33	524	7 2 0	0 25
MISCELLANEOUS.								
...	Bamboos, 1,200 in number .....	.....	24	.....	.....	...	1 0 0	3
1	Timbers, 21 in number .....	.....	84	.....	.....	...	2 10 0	.....
52	Boats passed free .....	.....	.....	...	...	...	...	...
53	Total .....	.....	108	.....	.....	.....	3 10 0	.....
...	Total of same month last year .....	.....	.....	.....	.....	.....	...	.....

TRAFFIC BETWEEN CUTTACK AND SEABOARD.

(1) PRIVATE.

...	Total .....	.....	.....	...	.....	.....	.....	.....
457	Total of same month last year .....	50,100	2,03,002	1,18,518	4,233	1,69,320	1,093 8 4	0 10
MISCELLANEOUS.								
...	Total .....	.....	...	.....	.....	.....	.....	.....
18	Total of same month last year .....	.....	1,039	.....	.....	.....	111 1 3	.....

Kendrapara Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

TRAFFIC BETWEEN CUTTACK AND SEABOARD—continued.

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
	Total	.....	.....	.....	.....	.....	.....	.....
12	Total of same month last year	3,400	10,445	8,992	320	12,900	144 12 0	0 2 1
	MISCELLANEOUS.							
	Total	.....	.....	.....	.....	.....	.....	.....
	Total of same month last year	.....	.....	.....	.....	.....	.....	.....

ABSTRACT—LOCAL TRAFFIC.

582	Private, including miscellaneous	1,34,534	4,31,607	1,25,465	4,483	1,58,196	1,784 11 8	.....
67	Government stores, including miscellaneous	1,490	1,121	3,784	135	2,418	27 12 0	.....
649	Total	1,36,024	4,32,728	1,29,249	4,618	1,60,614	1,812 7 8	.....
180	Total of same month last year	14,542	35,398	31,527	1,126	21,523	251 2 5	.....

TRAFFIC BETWEEN CUTTACK AND SEABORD.

	Private, including miscellaneous	.....	.....	.....	.....	.....	.....	.....
	Government stores, including miscellaneous	.....	.....	.....	.....	.....	.....	.....
	Total	.....	.....	.....	.....	.....	.....	.....
487	Total of same month last year	59,560	2,15,386	1,27,480	4,553	1,82,120	1,919 3 6	.....
649	Grand total	1,36,024	4,32,728	1,29,249	4,618	1,60,614	1,812 7 8	.....
667	Grand total of same month last year	74,102	2,50,784	1,59,007	5,679	2,03,643	2,100 5 11	.....
	Deduct amount erroneously debited to Mahamuddee Division in bill for November 1876.	..	.....	.....	..	.....	1 13 10	.....
							2,198 8 1	.....

MEMO.

		Rs. A. P.
Unrecovered balance on the 1st of the month	.....	426 12 0
Amount of tollage for the month	.....	1,812 7 8
	Total	2,239 3 8
Amount credited in the accounts for the month...	.....	1,958 15 9
Balance at the end of the month	.....	280 3 11

High Level Canal.

LENGTH OF CANAL OPEN—37 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

16	Rice	2,635	10,540	5,271	188	6,392	76 5 8	.....
12	Paddy	1,620	3,240	3,247	118	3,888	46 10 9	.....
27	Gallnuts	2,613	2,613	5,226	187	6,368	75 6 0	.....
9	Cotton	891	8,910	1,782	63	1,974	24 12 0	.....
5	Salt	644	3,420	1,360	40	1,660	19 8 0	.....
3	Straw	593	165	1,072	38	728	9 15 3	.....
4	Gram	292	1,460	544	21	252	2 10 0	.....
3	Jaggery	109	163	218	8	214	3 0 0	.....
2	Country potatoes	52	260	105	3	22	0 7 11	.....
6	Timber	1,208	3,624	2,417	86	2,820	35 0 0	.....
3	Lime	543	163	1,080	39	1,320	15 12 0	.....
1	Doors, &c.	10	40	21	1	1	0 6 0	.....
8	Passenger boats	.....	.....	804	29	990	12 8 4	.....
118	Empty boats	.....	.....	14,753	627	17,391	199 11 11	.....
217	Total	11,193	34,598	37,955	1,355	44,044	522 1 7	0 2 2
153	Total of same month last year	7,118	21,258	17,368	620	16,492	229 11 3	0 2 6
	MISCELLANEOUS.							
	Bamboos 100 in number	.....	1	.....	.....	.....	0 4 0	.....
	Total	.....	1	.....	.....	.....	0 4 0	.....
1	Total of same month last year	.....	18	.....	.....	.....	1 2 8	.....



SOUTH-WESTERN CIRCLE.

Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

LOCAL TRAFFIC.

(1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
26	Betel-leaves	670	3,000	3,125			20 7 6	
3	Betel-nuts	350	3,100	875			19 8 0	
12	Bricks and tiles, 1,400 in number	130	31	400			2 12 0	
12	Bamboos, 450 in number	85	73	425			1 10 9	
23	Brass and copper, and their manufactures	2,350	71,549	7,225			63 11 9	
30	Coal and coke	9,090	5,642	18,105			197 10 0	
10	Cotton, raw	985	16,050	2,500			30 0 6	
51	Cotton twist and yarn (European)	4,590	1,47,410	14,905			160 2 0	
34	Cotton piece-goods (European)	2,900	1,06,780	8,570			118 12 0	
10	Ditto ditto (Indian)	210	42,000	2,000			17 11 0	
32	Cocoanuts, 1,29,800 in number	2,243	3,662	6,245			74 1 6	
6	Card	300	900	1,275			11 2 6	
2	Canes and rattans	300	3,000	725			6 9 0	
1	Drugs and medicines	5	2,000	100			0 14 0	
1257	Empty boats			1,07,030			1,018 8 9	
34	Karthonware	1,943	640	7,520			35 11 6	
1	Fowls, 480 in number	10	40	70			2 1 9	
120	Fruits and nuts of all kinds	33,655	69,718	69,725			657 9 0	
7	Firewood	830	207	1,915			11 9 9	
91	Grain and pulso	9,495	32,593	24,750			225 0 0	
5	Gunny-bags, 8,000 in number	205	794	1,028			9 0 6	
6	Gunny cloth, 790 in number	217	2,170	1,075			4 0 6	
3	Goat and sheep, 300 in number	55	540	270			1 8 3	
6	Hides of cattle, untanned, 5,590 in number	815	6,250	1,470			10 6 3	
1	Horns	20	500	125			1 1 6	
9	Indigo	1,211	2,78,400	3,005			81 11 0	
2	Iron and its manufactures	250	1,300	625			6 0 0	
34	Jute, raw	4,446	17,759	11,975			44 14 6	
5	Liquor	16	1,850	330			8 11 3	
5	Linseed	950	3,050	1,660			24 13 0	
2	Lime and limestone	150	75	375			3 4 6	
24	Mustard	2,640	9,530	6,720			38 3 9	
50	Miscellaneous	2,220	5,319	10,590			95 5 0	
1	Other fibres, manufactured	175	875	325			9 12 0	
9	Other fibres, raw	990	3,140	3,200			70 11 6	
4	Other saline substances	240	800	805			9 7 6	
2	Other oilseed	220	880	675			5 14 6	
375	Paddy	33,538	42,062	69,390			1,203 10 3	
3	Pieces of tanned leather, 2,900 in number	475	2,375	850			12 12 0	
6	Planks	250	550	720			2 13 3	
1109	Passenger boats			64,935			731 10 0	
236	Rice	44,387	1,08,594	81,295			817 9 9	
1	Rosin	200	800	375			5 10 0	
15	Spices	1,000	8,120	3,115			36 14 0	
90	Salt	23,782	1,00,424	48,155			432 12 9	
15	Sugar, unrefined	815	2,362	2,040			37 9 6	
11	Silk, raw	141	87,040	1,405			12 4 9	
1	Stamp paper	5	2,000	225			6 12 0	
30	Straw, 635 kahans	5,784	2,755	17,780			69 10 6	
5	Stone plates	605	2,560	1,080			16 11 0	
22	Sand	6,475	343	13,750			51 8 6	
46	Sal piles, 833 in number	1,580	1,956	2,390			41 4 0	
32	Timber, 147 in number	1,610	2,505	1,740			49 6 0	
46	Tobacco	4,400	30,280	12,565			153 2 0	
17	Vegetable and other kinds of provisions	326	1,304	1,895			26 0 0	
8	Wheat	670	2,260	2,055			17 7 6	
3990	Total	2,10,904	13,33,862	6,29,325	22,476	4,48,884	6,891 5 0	0 3
4595	Total of same month last year	3,07,498	14,07,572	8,01,365	23,619	5,43,573	8,718 1 9	0 3
MISCELLANEOUS.								
	Passengers, 11,080 in number						217 10 9	
	Demurrage, &c.						11 14 9	
14	Boats passed free							
14	Total						229 0 6	
115	Total of same month last year		890				205 10 6	

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.—Nil.

ABSTRACT.

4,013	Private, including miscellaneous	2,10,904	13,53,862	6,29,325	22,476	4,48,884	7,120 14 6	
...	Government stores, including ditto							
4,013	Grand total	2,10,904	13,53,862	6,29,325	22,476	4,48,884	7,120 14 6	
4,710	Grand total of same month last year	3,07,498	14,08,462	8,01,365	23,619	5,43,573	8,023 15 3	

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month	1,496 6 11
Amount of tollage for the month	7,120 14 6
Total	8,617 5 5
Amount credited in the accounts for the month	6,903 0 2
Balance at the end of the month	1,714 5 3





Arrah Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
3	Iron and bones ... ..	225	1,800	1,213	43	3,477	23 12 0	...
5	Brick ... ..	800	76	1,781	64	3,907	24 5 3	...
63	Rubble and ashlar ... ..	8,305	330	12,110	432	3,096	291 13 6	...
41	Empty boats ... ..	.....	...	1,201	45	2,138	109 3 9	...
115	Total ... ..	9,390	2,212	16,365	584	13,678	451 3 0	0 6 3
119	Total of same month last year ... ..	7,220	1,647-2	35,352	1,290	13,747	296 8 9	0 4 1
MISCELLANEOUS.								
...	Total ... ..	.....	...	.....	.....	.....	...	.....
..	Total of same month last year ... ..	...	.....	...	.....	.....	...	..

ABSTRACT.

197	Private, including miscellaneous ... ..	18,499	58,006	12,098	1,536	66,992	532 0 3	...
115	Government stores, including ditto ... ..	9,390	2,212	16,365	584	13,678	451 3 0	...
12	Grand total ... ..	28,259	58,218	59,363	2,120	80,670	983 9 3	...
128	Grand total of same month last year ... ..	7,220	1,647-2	35,897	1,319	14,464	302 0 3	...

MEMO.

						Rs. A. P.		
Unrecovered balance on the 1st of the month ... ..						...	651 9 7	...
Amount of tollage for the month ... ..						...	983 9 3	...
						Total	1,635 2 10	...
Amount credited in the accounts for the month ... ..						...	853 2 6	...
Balance at the end of the month ... ..						...	782 0 4	...

Western Main Canal.

LENGTH OF CANAL OPEN—22 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

18	Teel, gairi, and spices, &c. ... ..	4,095	20,475	6,425	229	5,952	92 5 9	...
54	Empty boats ... ..	...	...	4,550	162	3,585	36 15 0	...
2	Passenger do. ... ..	...	...	225	8	192	1 13 3	...
74	Total ... ..	4,095	20,475	11,200	399	9,729	131 2 6	0 2 5
...	Total of same month last year ... ..	...	...	...	...	...	...	...
MISCELLANEOUS.								
...	Total ... ..	...	...	...	...	...	...	...
...	Total of same month last year ... ..	...	150	...	...	...	7 8 0	...

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

106	Rubble stone ... ..	32,180	1,609	40,700	1,667	8,318	291 14 0	...
1	Iron pieces ... ..	40	280	75	2	41	0 9 9	...
111	Empty boats ... ..	...	...	15,375	518	2,944	97 2 9	...
218	Total ... ..	32,220	1,889	62,150	2,217	11,303	389 10 6	0 6 6
103	Total of same month last year ... ..	...	...	18,162	607	6,359	123 2 3	0 3 0
MISCELLANEOUS.								
...	Total ... ..	...	...	...	...	...	...	...
...	Total of same month last year ... ..	...	...	...	...	...	...	...

ABSTRACT.

74	Private, including miscellaneous ... ..	4,095	20,475	11,200	399	9,729	131 2 6	...
218	Government stores, including miscellaneous ... ..	32,220	1,889	62,150	2,217	11,303	389 10 6	...
292	Grand total ... ..	36,315	22,364	73,350	2,616	21,032	520 13 0	...
103	Grand total of same month last year ... ..	...	150	18,162	607	6,359	130 10 3	...

MEMO.

						Rs. A. P.		
Unrecovered balance on the 1st of the month ... ..						...	384 13 0	...
Amount of tollage for the month ... ..						...	520 13 0	...
						Total	905 10 0	...
Amount credited in the accounts for the month ... ..						...	429 4 9	...
Balance at the end of month ... ..						...	476 5 3	...

**Patna Canal.**  
**LENGTH OF CANAL OPEN—84 MILES.**

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

## LOCAL TRAFFIC.

## (1) PRIVATE.

		Mds.	Rs.				Rs.	A. P.	A. P.
21	Teel, linseed, gram, mohwa, dana, blankets	3,372	10,125	6,754	241	14,464	183	12	6
21	Mile stone	4,639	1,883	6,518	232	16,395	167	0	6
9	Lime	1,530	218	3,251	116	8,533	89	1	0
7	Till	912	3,240	1,652	69	4,820	50	3	3
1	Ghee	86	1,400	183	6	532	5	7	0
3	Potatoes and cabbages	77	134	206	7	413	4	0	0
8	Sabuy	280	200	524	18	302	3	13	6
2	Linseed	300	850	532	19	1,552	15	10	0
1	Luggages			130	4	379	3	14	6
1	Tent			8	3	256	2	7	9
20	Empty			2,060	73	13,080	17	6	0
1	Groove stone			212	7	92	1	9	0
1	Junge parts			133	4	97	0	15	9
1	Vegetable	30	37	65	2	153	1	6	6
3	Salt	300	1,350	608	21	1,373	13	13	3
2	Common saltpetre	293	733	680	20	1,345	13	0	1
1	Tabacco, indigo, and cloth	79	500	154	5	367	3	8	3
4	Coal	500	250	855	31	321	5	5	0
1	Miscellaneous	90	20	180	6	63	1	1	6
106	Total	12,478	20,949	24,744	874	65,141	563	7	10
.....	Total of same month last year								
MISCELLANEOUS.									
5	Bullahs and poles	1,215	304				2	7	9
2	Hill bamboos	37,700	424				17	6	3
7	Total	38,915	728				19	14	0
...	Total of same month last year								

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

90	Rubble			28,796	1,023	20,167	350	9	0
1	Bond stone			1,402	50	606	10	15	0
4	Ashlar stone			1,055	37	724	41	14	6
64	Govt. coal	12,100	6,063	23,108	825	32,689	306	12	4
3	Do. bricks	408	170	817	20	1,048	8	0	3
98	Empty boats			9,746	347	4,690	113	3	5
200	Total	12,574	6,253	64,924	2,316	69,026	871	12	6
	Total of same month last year								
MISCELLANEOUS.									
17	Boats passed free								
17	Total								
	Total of same month last year								

## ABSTRACT.

113	Private, including miscellaneous	51,393	21,064	24,744	874	65,141	563	5	10
277	Government stores, including miscellaneous	12,574	6,253	64,924	2,316	69,926	871	12	6
390	Grand Total	63,967	27,317	89,668	3,190	1,25,067	1,435	2	4
...	Grand total of same month last year								

## MEMO.

Unrecovered balance on the 1st of the month					Rs.	A. P.
Amount of tollage for the month					271	3 3
					1,653	2 4
Amount credited in the accounts for the month					Total	1,726 5 7
						1,600 6 9
Balance at the end of the month						125 14 10

## ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1877-78.		TOLLAGE OF THE YEAR 1876-77.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
Kondraparah ... ..	Rs. A. P. 1,812 7 8	Rs. A. P. 15,408 2 3	Rs. A. P. 2,198 8 1	Rs. A. P. 11,174 1 8	
High Level, Section I ... ..	590 0 7	4,607 14 10	387 13 11	2,138 5 8	
Taldanda ... ..	190 14 10	1,186 3 7	19 13 7	950 1 4	
Total Orissa Circle ..	2,593 7 1	21,292 4 8	2,606 3 7	14,562 8 8	
SOUTH-WESTERN CIRCLE.					
Midnapore ... ..	7,120 14 6	74,374 14 9	8,023 15 3	52,381 6 0	
Hidgollee Pital ... ..	2,182 4 0	57,143 14 0	3,829 8 6	31,921 4 7	
Total South-Western Circle ...	9,303 2 6	1,31,517 12 9	12,253 7 9	84,302 10 7	
SONE CIRCLE.					
Arrah ... ..	983 9 3	9,796 11 5	502 0 3	3,022 0 11	
Western Main ... ..	520 13 0	2,471 3 0	130 10 0	164 6 0	
Patna ... ..	1,465 2 4	1,861 9 10	..	.....	
Total Sone Circle ... ..	2,969 8 7	14,119 8 5	432 10 3	3,176 6 11	
Grand Total ... ..	14,856 2 2	1,06,929 9 8	15,293 5 7	1,02,041 10 2	

## PUBLIC WORKS DEPARTMENT, —BENGAL.

GENERAL ESTABLISHMENT.—No. 32.—The 11th February 1878.

Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagirthee, and Brahmapootra during the month of January 1878.

RIVER GANGES.										RIVER BHAGIRTHEE.				BRAHMAPOOTRA.							
Murzapore.		Benares.		Buxar.		Jumapure.		Monghyr.		Sahebgunge.		Rampur Bauleah.		Gaulundo.		Berbampore.		Kishnaghur.		Gowhatty.	
Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.	Height below zero over mean of gauge, sea-level.	Height over mean of gauge.
50	211.00	1.14	192.86	50	192.86	1.00	141.90	64	101.89	78	68.75	2.25	44.25	2.58	11.52	1.62	34.02	2.46	11.24	70	149.40
16	210.66	1.18	193.61	58	193.61	1.00	141.90	below	101.88	75	68.75	2.20	44.20	2.58	11.52	1.56	33.96	2.68	11.37	70	149.36
66	211.16	1.15	193.85	59	193.85	1.00	141.90	1.12	101.81	75	68.75	2.12	44.12	2.42	11.56	1.45	33.85	2.54	11.33	70	149.26
66	211.16	1.10	193.70	58	193.70	1.00	141.85	1.12	101.78	72	68.70	2.04	44.04	2.25	11.19	1.45	33.85	2.54	11.33	70	149.26
60	211.00	1.06	193.74	55	193.74	1.00	141.85	1.12	101.78	72	68.70	1.94	43.94	2.25	11.19	1.40	33.80	2.54	11.33	70	149.26
41	210.91	1.14	193.66	58	193.66	1.00	141.85	2.00	101.65	74	68.54	1.87	43.87	2.33	11.27	1.35	33.75	2.41	11.20	70	149.26
25	210.75	1.18	193.61	59	193.61	1.00	141.85	2.25	101.69	70	68.50	1.80	43.80	2.33	11.27	1.33	33.73	2.41	11.20	70	149.26
00	210.50	1.27	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.35	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.43	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.51	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.59	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.67	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.75	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.83	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.91	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	1.99	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.07	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.15	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.23	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.31	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.39	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.47	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.55	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.63	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.71	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.79	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.87	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	2.95	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.03	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.11	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.19	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.27	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.35	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.43	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.51	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.59	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.67	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.75	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.83	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.91	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	3.99	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	4.07	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	4.15	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	4.23	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	4.31	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45	1.75	43.75	2.25	11.19	1.30	33.70	2.30	11.09	70	149.26
00	210.50	4.39	193.53	50	193.53	1.00	141.85	3.00	101.52	65	68.45										

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 2nd February 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.		Coach- ing.	Merchan- dise.		Total.		
		Rs. A. P.	£ s. d.		Mds. S.	Rs. A. P.					£ s. d.	
Total traffic for the week ...	148,715	2,16,022 5 9	19,802 1 0	16,08,091 30	5,52,009 13 3	50,604 1 2	7,68,721 3 0	45,692½	102,165½	154,858½		
Or per mile of railway .....	.....	168 12 10	15 9 6	.....	431 14 1	39 11 9	600 10 11	.....	.....	.....		
For previous 4 weeks of half-year	444,389½	6,60,183 12 3	60,312 5 3	54,48,673 30	20,87,734 7 9	191,375 13 3	27,47,968 4 0	171,019½	398,403½	570,413½		
Total for 5 weeks ...	597,104½	8,76,156 2 0	80,314 0 3	70,56,663 20	26,40,433 5 0	212,039 11 5	35,16,589 7 0	217,012½	507,659½	725,271½		
COMPARISON.												
Total for corresponding week of previous year ...	147,284½	2,10,541 10 8	19,299 13 0	13,41,892 0	5,85,973 9 3	53,714 4 11	7,08,515 3 11	47,935	107,846	155,781		
Or mile of railway, correspond- ing week of previous year ...	.....	164 8 3	15 1 8	.....	457 14 1	41 19 5	622 6 4	.....	.....	.....		
Total to corresponding date of previous year ...	600,752½	12,66,642 12 11	1,16,109 18 5	62,76,870 10	25,99,834 10 0	233,318 3 0	34,64,477 6 11	236,495	400,585	737,080		

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 2nd February 1877 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	7,533	23,109 10 9	2,118 7 8	1,79,344 10	50,376 13 0	4,617 17 6	73,486 7 9	1,631	11,109½	16,820½
Or per mile of railway ...	.....	103 4 7	9 9 4	.....	225 2 4	20 12 9	324 4 11	.....	.....	.....
For previous 4 weeks of half-year	25,859	79,748 0 0	7,310 4 8	6,18,611 10	1,79,521 2 0	16,436 2 1	2,59,259 2 0	17,741½	41,190½	68,932½
Total for 5 weeks ...	33,392	1,02,857 10 9	9,428 12 4	7,97,953 20	2,29,897 15 0	21,073 19 7	3,92,755 9 9	21,382½	54,290	74,752½
COMPARISON.										
Total for corresponding week of previous year ...	8,731½	27,639 6 0	2,533 12 2	2,19,772 10	59,060 10 0	5,322 15 6	85,706 0 0	5,312	14,786	20,098
Per mile of railway, corresponding week of previous year ...	.....	123 8 5	11 0 6	.....	259 8 3	23 15 9	343 0 8	.....	.....	.....
Total to corresponding date of previous year ...	44,667½	2,67,490 11 5	19,019 19 8	10,56,376 30	2,73,239 3 0	25,048 15 2	4,80,719 14 5	29,740	73,278	1,03,018

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd February 1878 on 28 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.	
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.	
Total traffic for the week ...	9,439	1,683 0 0	168 10 0	24,344 0	843 0 0	84 6 0	252 16 0	
Or per mile of railway ...	337	60 0 0	0 0 0	869 0	30 0 0	3 0 0	9 0 0	
For previous 4 weeks of half-year	32,490	5,897 0 0	589 14 0	81,355 0	2,309 0 0	290 18 0	880 12 0	
Total for 5 weeks ...	41,929	7,582 0 0	758 4 0	105,703 0	3,752 0 0	375 4 0	1,133 8 0	
COMPARISON.								
Total for corresponding week of previous year ...	10,881	1,477 4 3	147 14 7	18,004 25	652 12 3	65 5 6	213 0 1	
Per mile of railway, corresponding week of previous year ...	389	52 12 1	5 5 6	643 0	23 5 0	2 6 7	7 12 1	
Total to corresponding date of previous year	52,396½	7,163 11 9	716 7 6	78,527 21	2,794 10 4	279 9 3	935 16 9	





# SUPPLEMENT TO. The Calcutta Gazette.

WEDNESDAY, FEBRUARY 20, 1878.

## OFFICIAL PAPERS.

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Thursday, the 14th February 1878.

### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,  
 The Hon'ble H. J. REYNOLDS,  
 The Hon'ble A. MACKENZIE,  
 The Hon'ble S. C. BAYLEY,  
 The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
 The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
 The Hon'ble NAWAB MEER MAHOMED ALI,  
 The Hon'ble H. F. BROWN,  
 The Hon'ble F. JENNINGS,  
 and  
 The Hon'ble RAJAH PRAMATHA NATHA ROY, BAHADOOR.

### POWERS OF SETTLEMENT OFFICERS AS TO ENHANCEMENT OF RENT.

THE HON'BLE MR. REYNOLDS postponed the motion, which stood in his name, that the Bill to define and limit the powers of settlement officers in respect to the enhancement of rent be further considered and passed.

## LICENSE TAX ON TRADES, DEALINGS, AND INDUSTRIES.

The HON'BLE MR. MACKENZIE moved that the report of the Select Committee on the Bill for licensing trades, dealings, and industries within the territories subject to the Lieutenant-Governor of Bengal be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee.

The motion was agreed to.

On the motion of the HON'BLE MR. MACKENZIE the following paragraph was added to section 1 :—

“Parts I, II, and V of this Act apply to all the territories subject to the Lieutenant-Governor of Bengal including the town of Calcutta; Part III applies to all such territories except the town of Calcutta; and Part IV applies only to the town of Calcutta.”

Application.

THE HON'BLE BABOO KRISTODAS PAL moved the insertion, after the word “land” in line 6 of section 4, of the words “or to any person who may receive rent in agricultural produce.” The object of the amendment, he said, was to exclude persons who depended for their livelihood upon agriculture or the rent of land. But as the words of the section stood the receiver of rent did not come within the scope of the section. In many cases the rent of land was paid in kind, and the rent-receiver had to sell the produce so received by him in order to realize his rent. He might not keep a shop or stall for the sale of such produce, but he had nevertheless to sell the produce; and in the same spirit in which the cultivator who had to sell the produce of his cultivation was not taxed under this Bill, the rent-receiver who had to sell the produce which he received from the cultivator in payment of rent should not be taxed. It was in that view that this amendment was proposed.

After a slight discussion, on the suggestion of the HON'BLE MR. MACKENZIE the following words were added to section 4, in lieu of the words proposed by the mover of the amendment :—

“or to any receiver of rent in kind in respect of the sale of produce received as such rent.”

On the motion of the HON'BLE MR. MACKENZIE the following words were added to section 10 :—

“The local Government shall have power to declare what shall, for the purposes of this Act, be deemed to be the language of the district.”

The HON'BLE MR. MACKENZIE moved the insertion, after the word “person” in line 1, section 13, of the word “firm,” and also the omission of the last sentence of the same section, “but each member of a firm shall be chargeable with reference to his individual share of the earnings of such firm,” and the substitution for it of the following words :—

“And in the case of a firm, payment by any one of the partners shall, for the purposes of this Act, be considered payment by the firm.”

He said that, when he introduced the Bill, he stated that the tax was not to be a tax upon households, firms, or partnerships, but upon individuals. That principle had been adopted originally to avoid complications in the interior, where the fact of partnership was often difficult to settle, being a matter rather of status than of contract. The Select Committee had adopted and retained the principle, because it had the practical effect of making the tax upon licensees of the first class assimilate in weight of incidence to the tax upon licensees of the lower grades. Objections had, however, been taken to the provision within the last few days, on the ground that it tended to convert a license into an income tax. The Council would gather from what he said at its last meeting that he did not personally feel pressed by the arguments adduced, depending for their value, as they did, upon the special meaning to be attached to the terms “license tax” and “income tax;” but the Government deemed it desirable to keep this Bill, as a Government measure, upon the basis of those passed for Upper India in the Supreme Council, at least so far as this point was concerned, and therefore he brought forward this amendment.

The HON'BLE BABOO KRISTODAS PAL said he did not object to the amendment, but he submitted that it would be consistent if the same principle were

extended to payments by Hindu joint families. The inequality in the incidence of the tax was made still more apparent than before by the provision now proposed to be introduced. A person who carried on business in joint partnership would now avoid personal liability by means of one payment for all the members of the firm, and the reason for the introduction of this provision was that the capital with which they traded was joint. Now, poor artisans whose sole capital was their skill and labour, though they might form members of a joint undivided family, would have to pay under the law a personal tax—that was to say, a fee for each member of the family, though their individual gains went to a common stock, and the joint family was supported with the earnings of all the members of it. When the principle of personal liability was introduced in the Bill and also discussed in Select Committee, he understood the reason to be that by recognising the personal liability of the higher classes of merchants and traders who would be liable to the rates, the tax would comparatively fall much more lightly on the poorer than on the richer classes, and the inequality in the incidence of the tax would thus be adjusted. It was, however, now proposed, with regard to the higher classes of assesses, to withdraw the principle of personal liability, but it remained intact as regarded the poorer classes. It was true that the artisans, though forming members of a joint family, might carry on individually their own separate industries. But as members of a joint family, he submitted that they occupied the same position which the partners of a firm did. And it being considered just to recognise the principle of joint liability in the case of a partnership firm, he thought it would be equally just to recognise the same principle of joint liability in the case of members of a joint undivided family. He believed that this principle was recognised by the last Income Tax Act; and holding as he did that it was a correct principle, he desired to see it recognized in this Bill; he would therefore move the insertion of the words “or joint family” after the word “firm” in the first and third lines of the amendment moved by the hon’ble mover of the Bill.

The HON’BLE MR. JENNINGS observed that the amendment of the hon’ble mover seemed to meet the difficulty which had been felt in reference to the assessment of the individual members of a partnership firm, and for his part he would give it his unqualified approval.

The HON’BLE MR. BROWN said he thought the hon’ble member might be congratulated upon having removed a very objectionable feature from the Bill. The provision under which each member of a firm would have been chargeable with reference to his individual share of earnings, besides multiplying the burden in a manner such as, he ventured to think, was never contemplated by the framers of this Bill, would have introduced the very element and provoked exactly that species of discontent which the originators of the measure had shown special anxiety to avoid. By replacing in section 13 the wording of the corresponding section of the Northern India License Act, the hon’ble member had, in this particular, saved a good Bill from being spoilt. He bore in mind His Honor’s admonition that it was not within the province of this Council to discuss questions of policy; and with regard to the details of the Bill, he wished only to say that he did not quite agree with the increase from Rs. 200 to Rs. 500 in the assessment of the higher classes of traders,—an alteration which, bearing in mind the cogent reasons which in an earlier stage of their proceedings were urged against such change, would, he took the liberty to think, have been better left alone. At the same time he did not think that, under the present revised conditions, the enhancement would press very hardly upon the class it affected; he had not moved any amendment to the provision; and he did not suppose it would meet with more serious objection than that which must naturally attach to an admittedly unnecessary imposition.

Upon the whole he was glad to be able to say that he thought it would have been difficult to have contrived means for providing the requisite funds by a measure less objectionable than that now before the Council. The loyal readiness to respond to this call of the State had already, upon a previous occasion, been expressed in eloquent terms by the hon’ble member to his left on behalf of his countrymen in Bengal, and he felt sure he was expressing the sense of the European community of this city by giving similar testimony on their behalf.

The HON’BLE BABOO ISSER CHUNDER MITTER said he had one observation to make with reference to the amendment proposed by his hon’ble friend opposite



(Baboo Kristodas Pal). The hon'ble member in charge of the Bill had, it would be seen, an amendment to put forward with reference to clause 3 of section 39, which he thought would quite meet the objections which had been taken. BABOO ISSUR CHUNDER MITTER thought that when the members of a joint family conducted together the same business, they would come under the same category as members of a partnership firm; but where they conducted different businesses, and followed different occupations, he did not see why they should not be separately taxed under this Bill.

The HON'BLE MR. MACKENZIE observed that it appeared to him that the hon'ble member who last spoke exactly hit the objection to the acceptance of the amendment moved by the hon'ble member opposite (Baboo Kristodas Pal). The members of a partnership or firm, whose relations depended upon definite contract, were well known and might be ascertained. But commensality, and not joint working, was the bond of connection between the members of a joint Hindu family. The members of such a family might be scattered widely apart and pursue various occupations; some of them might be engaged in trade, some might be artisans, and some in the Government service, and it would therefore be impossible, if the Hon'ble Member's suggestion were adopted, to assess the tax with any certainty in any such case. The Select Committee had met the case of the Act operating oppressively in respect of members of the same family by providing that the Government might frame rules for modifying (that was to say reducing) the fees chargeable to them when living and working together, and MR. MACKENZIE thought that would practically meet the whole object of the hon'ble member who had moved the second amendment.

After some further discussion the Hon'ble Baboo Kristodas Pal's amendment was negatived, and the Hon'ble Mr. Mackenzie's motion was carried.

The Hon'ble Mr. Mackenzie's amendment was then agreed to.

Section 19 related to appeals.

The HON'BLE BABOO KRISTODAS PAL moved the omission of the words, "or to some officer specially empowered by the local Government in this behalf," in lines 5 to 7, and the substitution therefor of the following:—

"Who may either dispose of it himself or may refer it for disposal to a bench of not less than three Municipal Commissioners of the town in which the person making the appeal may ordinarily reside."

He said it might be in the recollection of the Council that when the Bill was introduced he raised the question of appeals, and that it was conceded that an appeal should be allowed to the Collector from the decision of officers subordinate to him. The Select Committee were agreed upon that point, but considering that there might be cases in which the Collector might not have sufficient time to hear appeals, the majority provided that the Government should be empowered to appoint special officers to hear appeals. Now, his object in proposing that the Collector should hear appeals in all cases if practicable, was chiefly that he should have a direct personal interest in the working of the law. If the appeals were heard by himself he would be in a position to know how the Act was practically working, but if appeals were referred by him to another officer, his personal knowledge would not be improved. And as it was very desirable that the responsible officer of the district should be thoroughly acquainted with the working of the law, BABOO KRISTODAS PAL thought every opportunity should be given to him for that purpose. It might be said that, in preparing the list and other initiatory work, the Collector would direct his subordinate officers, and thus acquire the necessary knowledge. But the Collector would perhaps issue general instructions, and the subordinate officers would be charged with the initial work. It was one thing to work the law with one's own hands, and another thing to do it by means of subordinate agency. And he for one was persuaded that the people would have confidence in the working of the law if it were directly supervised by the Collector. For these reasons he had suggested that appeals should in all cases be heard by the Collector. But it was pointed out to him that in large districts, such as the 24-Pergunnahs for instance, the Collector was overwhelmed with work, and he might not be able to find time to hear appeals; and it was therefore necessary to assist him by the appointment of special officers for the hearing of appeals. In

order to meet such special cases, he would suggest that the Collector in any such district should be authorized to refer appeals to a bench of three Municipal Commissioners. The only objection to such a course he had heard was that the Municipal Commissioners might not be quite trustworthy; and that as the Government wished that the law should be properly enforced, the Collector or some other officer would be the proper person to hear appeals. With due deference to the hon'ble mover of the Bill, BABOO KRISTODAS PAI submitted that if the Collector were vested with the discretion of selecting particular Commissioners for hearing appeals, the agency employed would be such as to obviate the objection the hon'ble member had taken. Besides, if the Municipal Commissioners were fit to administer the municipal funds, to hear appeals in cases of municipal assessment, and to do all other work in connection with municipalities, he did not see how they could be considered unfit to hear appeals under this Act. In the suburbs of Calcutta and in Howrah, and in other large towns, there were also Deputy Collectors of experience who were members of the Municipal Commission, and if the Collector wished, he might associate one of the Deputy Collectors with two non-official Commissioners to constitute a Bench for the hearing of appeals under the Act. All that he would ask the Council to consider was that whatever agency was provided by law for the hearing of appeals it should be such as to command the confidence of the people; and if the Collector did not in special cases possess the necessary leisure to hear appeals, he thought a bench of Commissioners to be selected by the Collector would command confidence. On these grounds he thought that the hearing of appeals should be delegated to some other authority only when the Collector had not the necessary time to hear them himself, and that a bench of three Municipal Commissioners should be such authority.

The HON'BLE MR. REYNOLDS said it did not appear to him that the amendment would be an improvement upon the procedure provided by the Bill, or be calculated to effect the object the hon'ble member had in view. The amendment merely provided for the hearing of appeals in mofussil towns; so that it would be necessary that the Collector himself should hear appeals in all other places,—a work for which the Collector could hardly find sufficient time. On the other hand, the hon'ble member was quite willing that the Municipal Commissioners, who should hear appeals, should be selected by the Collector himself. But in that case there might be just as much objection to the hearing of appeals by a bench of Commissioners so constituted as if the appeals were heard by officers specially appointed by the Government, which officers would be appointed on the recommendation of the Collector. MR. REYNOLDS therefore did not think that the amendment would be an improvement upon the section.

The HON'BLE MR. MACKENZIE said he concurred with the last speaker that the amendment under consideration was hardly called for, and was rather inconsistent with the professed wish of the hon'ble member opposite, that the Collector should be compelled to make himself acquainted with the working of the Act by conducting its operations personally. The effect of the amendment, if adopted as it stood, would be to nullify by a side wind the proposals of the Select Committee. For the municipalities in the mofussil were few and far between, and the Collector would himself have to hear all appeals in places where there was no municipality. At the same time he agreed that we should as far as possible avail ourselves of the agency of Municipal Benches for the hearing of appeals under this Act where municipalities existed, and he was willing to give power to the Collector to refer appeals to a Municipal Bench. But he was not sure that this was the best place in the Bill in which to put the amendment. He thought the amendment would come better under section 27, which related to municipalities, by adding a provision that the returns, when prepared by Municipal Commissioners, should be deemed to be the list under section 10, and that the Collector should have the power of referring appeals against such list to a bench of three Commissioners selected by himself. MR. MACKENZIE thought that that would meet the hon'ble member's wishes.

The amendment was then by leave withdrawn, on the understanding that an amendment of the nature of that stated by the hon'ble mover of the amendment would be introduced in section 27.

Section 22 provided for the recovery of fees and penalties.

The HON'BLE BABOO KRISTODAS PAL moved the omission of the words "either as if they were arrears of land revenue or." The effect of the amendment, he said, would be this, that all sums due on account of license-tax should not be recoverable as arrears of revenue, but by sale and distress of the moveable property of the person liable to the tax. He thought it would be admitted that if a person was assessed to the annual sum of Rs. 50 for license tax, he was possessed of goods and chattels of sufficient value to satisfy the demand of the Government. A tax of Rs. 50 per annum implied an income of Rs. 2,500, and in any trade which would yield an annual income of Rs. 2,500, surely the stock-in-trade would be of sufficient value to satisfy the demand. It would, he thought, be inconsistent with the principle recognized by this Council, in the case of the Road Cess Act and the Public Works Cess Act, to realize arrears of license tax by the sale of land or by turning a man out of his hearth and home. If there had been the merest shadow of a difficulty in realizing the tax in the cases to which he had referred, he would not have considered it proper to offer any objection to the provisions of this section. But as no such difficulty had been experienced, and as he was perfectly satisfied that the stock-in-trade of a person who was assessed to a tax of Rs. 50 would be considerably more than sufficient to meet the demand, he thought it would not be right to give power of this kind for the recovery of the tax, the goods and chattels of the assessee being more than sufficient for the realization of the amount due.

The HON'BLE MR. MACENZIE said he would call the attention of the Council to the fact that under the Bill passed by the Council of the Governor-General, arrears of license-tax were made recoverable as arrears of land revenue. The Select Committee of this Council had modified that enactment, and provided that arrears of the tax should be so recovered only when the amount exceeded Rs. 50; and his own personal experience in the mofussil had convinced him that it was often impossible to recover such demands by the sale of moveable property, and that it was necessary, for the safety of the revenue, that there should be some more certain means of recovering arrears of the tax.

The HON'BLE MR. REYNOLDS said that as the hon'ble mover of the amendment had stated that he would not have proposed it if there had been a shadow of a difficulty in recovering arrears by the sale of moveable property, he hoped the hon'ble member would withdraw his amendment when it was pointed out that the recovery of sums due above Rs. 50 did not only include the assessment of tax on incomes above Rs. 2,500, but it also included the amount of fines, which might come to three times the amount of the annual license tax, and would thus cover the recovery of sums from persons whose earnings were considerably below Rs. 2,500.

The HON'BLE BABOO KRISTODAS PAL said that the hon'ble mover of the Bill had observed that from his experience as a revenue officer, difficulty was really felt in the mofussil in realizing Government demands without the sale of immoveable property. Now, the Road Cess Act, as BABOO KRISTODAS PAL had observed, had been in operation since 1871, and he believed the revenue officers had with singular unanimity testified to the smooth working of the Act; and he had not heard any question raised as to the difficulty of realizing the road cess without the sale of the immoveable property of defaulters. Now, in the case of traders the difficulty would be still less, because the trader must have the stock with which he carried on his trade, and it could not be concealed; it was required in the pursuit of his daily avocations; and if a demand of Rs. 50 for license-tax could not be realized by the sale of his stock-in-trade, BABOO KRISTODAS PAL thought that such a man ought not to be assessed at all. Then the hon'ble member who spoke last had pointed out that sums which might be realised under section 22 would include not only the amount of the tax, but also penalties, and that in some cases the amount of penalties might be twice the amount of the tax. Admitted. Still, the difference between Rs. 50 and the earnings which would carry a tax of, say, Rs. 16 or Rs. 20 was so great that the stock-in-trade of the licensee ought to be sufficient for the recovery of the arrear. And if the stock-in-trade was not sufficient, then it was clear that the man should not be taxed at all. It would be simply cruel to turn a man out of his hearth and home when he had not the means to pay the license tax. To suppose that he could conceal his goods and still carry on his trade would be

an arbitrary assumption; the man must live by his trade, and if he traded, then he must keep his shop open.

HIS HONOR THE PRESIDENT said that he was unable to support the amendment. He understood his hon'ble friend to say that if there had been any difficulty in collecting the road cess or the public works cess, he should consider it a valid reason for retaining the provision as it stood in the Bill. HIS HONOR must ask him to accept his assurance that with reference to both those cesses the one great difficulty which had been represented from every quarter was the impossibility of collecting those taxes under the present law, and the absolute necessity of altering the law as soon as possible. He was overwhelmed with applications from all quarters in that respect, and, although he had abstained for some time from proposing any alteration in the law, in order to see whether it was possible to avoid the necessity for an amendment, there was very little reason to suppose that he could continue to do so much longer. And he had deferred bringing in a Bill for the amendment of the law in consequence of these difficulties until after exercising the utmost patience; until he had seen whether, with a little more time and trouble, we might not be able to avoid proposing any alteration of the existing law. He was certainly under the impression that the one difficulty which was felt by all who had to administer the law was the absolute impossibility of recovering arrears by any system of distress and sale of moveable property.

The Council then divided:—

<i>Ayes 3.</i>		<i>Noes 7.</i>	
THE HON'BLE	RAJAH PRAMATHA NATHA ROY	THE HON'BLE	MR. JENNINGS.
"	NAWAB MEER MAHOMED ALI.	"	MR. BROWN.
"	BABOO KRISTODAS PAL.	"	BABOO ISSER CHUNDER MITTER.
		"	MR. BAYLEY.
		"	MR. MACKENZIE.
		"	MR. REYNOLDS.
		"	THE PRESIDENT.

So the amendment was negatived.

The consideration of the proposed amendment to section 28 was postponed until after the consideration of the amendment to section 30.

The HON'BLE BABOO KRISTODAS PAL moved the omission from the end of section 30 of the following words:—

"The said Commissioners or Magistrate may also appropriate any part of the revenues of their municipality, station, or union, for the payment of any sum leviable from it under section 28; and if the sum so leviable is not paid at due date, the Local Government may order it or any part of it to be deducted from any funds standing to the credit of the municipality, station, or union in any Government treasury."

He thought it would not be conducive to the interests of municipalities to make them contractors for the collection of the license tax in the manner proposed in the Bill. He was quite aware that it was not obligatory on the Government to avail itself of the agency of municipalities in the assessment or collection of the tax. In regard to Calcutta alone was it made imperative. But as the Government might at its discretion avail itself of the municipal agency, he thought it would only be fair that a municipality, when required to collect the tax, should only serve as the collecting agency, and not act as contractor, in default of the performance of whose contract the municipal funds would be liable to seizure. Perhaps in practice the Government would prefer to act independently of mofussil municipalities; but where it might be deemed otherwise, he did not see why the Government should not in the usual way give a percentage to municipalities for the expense and trouble of collection. If municipalities should enter into contract, or take a farm of the collections, and if they were told to recoup themselves for loss of time and trouble and expense incurred by any excess collections which might come to them over and above the sum stipulated for by the Government, he thought the municipalities would be tempted to work the law in such a manner as to prove oppressive to the people in order to make it productive to themselves. He admitted that where it might be necessary to employ the agency of municipalities for the collection of the tax, it might conduce to economy on the part of the Government. But it was not clear why the Government should seek to effect economy by burdening the

Municipal Commissioners; for if the Commissioners were remiss in the collection of the tax, the rate-payers would suffer. On these grounds he would suggest that wherever the Government availed itself of the municipal agency, it should give a remuneration in the shape of a percentage on the collections, but in no case should the municipal funds be rendered liable to attachment for the realization of the license tax.

The HON'BLE MR. MACKENZIE observed that the hon'ble member was labouring under a misapprehension. The ordinary course of procedure would be very much what the hon'ble member wished. The Collector might call on a municipality to prepare a list of licensees, but the final settlement of the tax in each man's case would rest with the Collector. The gross demand upon any municipality would only be the sum of the individual assessments thus determined, and from such gross demand Government would deduct a percentage to be allowed to the town for expenses of collection, risk and trouble. No town would be able to interfere to raise the assessments of individuals. But when the sum to be paid by any municipality was once ascertained, it was proposed to leave an option to the municipality of recovering the tax as assessed, or of providing any portion of it from their ordinary municipal funds. They would thus be able, if they chose, to relieve certain classes of their assessment—a provision rather in the interests of the poor than against them. There might not be many towns in Bengal that could afford this, but the provision was harmless. When, however, it came to a question of how Government should realise the contract sum accepted by any town, Government must insist in the interests of the public revenue on having a power of recovering it without fail. It could not place itself absolutely in the hands Municipal Committees, or run any risk of suffering from their laches.

The HON'BLE BABOO KRISTODAS PAL said his hon'ble friend, the mover of the Bill, had observed that the system of contract which the Bill permitted was in the interest of the poor, and that it ought to be in the option of a Municipality which had a surplus in hand to pay the amount of the tax out of such surplus. None knew better than his hon'ble friend that very few Municipalities, in fact scarcely any in Bengal, had such an overflowing treasury as to be able to pay off the license tax out of its surplus on behalf of the people residing within the limits of the municipality; and therefore to justify the provision on such an imaginary ground was, he could not help saying, begging the question. Moreover, he did not see why municipal funds, which were paid by the rate-payers, should be devoted to the payment of the license tax, as if it were the personal property of the Commissioners. The Commissioners might be very remotely considered as the representatives of the rate-payers of the municipality, they being nominees of Government, and if they did not do their duty in collecting the license tax, why should the municipal fund be made liable? He thought the justice of the provision was very questionable.

The Council then divided:—

<i>Ayes 4.</i>	<i>Nocs 6.</i>
THE HON'BLE RAJAH PRAMATHA NATHA ROY.	HON'BLE MR. JENNINGS.
" MR. BROWN.	" BABOO ISSER CHUNDER MITTER.
" NAWAB MEER MAHOMED ALI.	" MR. BAYLEY.
" BABOO KRISTODAS PAL.	" MR. MACKENZIE.
	" MR. REYNOLDS.
	" THE PRESIDENT

So the amendment was negatived.

To section 28, on the motion of the HON'BLE BABOO KRISTODAS PAL, the following words were added:—

“after such deduction for necessary expenses as the local Government may fix.”

The HON'BLE BABOO KRISTODAS PAL was about to move that the following be substituted for section 37:—

“The nett amount of all fees and penalties paid or recovered under this Act, after deducting the expense of collection, shall be carried to a separate fund, and shall be applied towards the payment of interest due upon the famine loans of 1874-75, and of 1877-78, and towards the redemption of such loans in such manner as the Governor-General in Council may direct. An annual amount of such payments shall be published in the *Calcutta Gazette* for general information.”

This, he said, constituted the most important section in the Bill. It referred to the appropriation of the proceeds of the tax, and with regard to it, it was expected that some light would be thrown in the other Council. That light had now been vouchsafed, and he left it to hon'ble members to say whether they considered the light given sufficient for the purposes of the Bill. For his part—

HIS HONOR THE PRESIDENT was of opinion that the subject which the hon'ble member wished to discuss was beyond the scope of the Council. Was it then useful to take up the time of the Council with any debate on the point? It would certainly place this Council in a false position were they to sit in judgment on the acts of the Governor General's Council.

THE HON'BLE BABOO KRISTODAS PAL inquired whether this Council was not competent to discuss the question.

HIS HONOR THE PRESIDENT replied that they could discuss it, but it would lead to no practical result, and it would therefore be a mere waste of time.

THE HON'BLE BABOO KRISTODAS PAL considered that when the people had been called upon to pay the interest on money to be expended for famine works—

HIS HONOR THE PRESIDENT said he was not aware that there was anything before the Council to show that that was the case. The Government of Bengal had been asked to levy a certain sum of money in accordance with a scheme laid down by the Government of India for meeting the cost of or preventing if possible future famines, and the sanction of the Governor General had been obtained to the introduction of a Bill for that purpose and not for raising money to pay off old loans.

THE HON'BLE BABOO KRISTODAS PAL said that his authority was no less a one than the statement of the Hon'ble the Financial Member himself, and the preamble to the Bill. It was true that there were no papers before this Council on the subject, and as His Honor the President was unwilling that the matter should be discussed, he would not press his remarks.

HIS HONOR THE PRESIDENT said he did not wish to stop his hon'ble friend, but he had no objection to take the sense of the Council as to whether the discussion on the subject should go on. Under no circumstances could such a discussion lead to any practical result or consequence, and therefore it seemed very desirable to avoid it.

THE HON'BLE MR. BAYLEY said that if the hon'ble member withdrew his amendment and admitted it was *ultra vires*, there was no necessity for him to tell the Council the reason why he did so.

The motion was then by leave withdrawn.

THE HON'BLE BABOO KRISTODAS PAL said that on the same ground he proposed to withdraw the motion, of which he had given notice, to insert the following section at the end of the Bill, namely—

“ This Act shall be in force for five years from the date on which it may be published in the *Calcutta Gazette*, with the assent of the Governor-General.”

His object in proposing that amendment was to assert the propriety of limiting the action of the Bill to five years, with a view to give time to Government to retrench expenditure, and at the end of five years to allow this tax to lapse. But this also involved a question of policy; and on the ground upon which he had withdrawn the last amendment he would also withdraw this one.

The amendment was by leave withdrawn.

Section 39 empowered the local Government to make rules for certain purposes.

THE HON'BLE BABOO KRISTODAS PAL moved to omit clause 1 of the section which stood thus :—

“ for defining more precisely the classes of persons liable under this Act.”

He was of opinion that this clause trenched on the province of the Legislature: the class of persons to be taxed should be defined by legislative enactment and not by executive orders of the Local Government.

THE HON'BLE MR. MACKENZIE explained that the Government could not by its rules bring classes of persons under the operation of the law who were not carrying on trades, dealings, or industries. In all measures of taxation



the Government had either explicitly or implicitly reserved power to exempt certain classes from their operation. The object of the provision was to prevent the law from operating oppressively on any classes of persons who the Government might think ought not to be subject to the tax. It was a power of exemption which the Government might exercise without any provision of law, but it was considered desirable for the sake of symmetry to provide for this object by executive rules framed under the sanction of the law.

The motion was put and negatived.

On the motion of the HON'BLE MR. MACKENZIE the word "reducing" was substituted for the word "modifying" in clause (3) of the same section.

The HON'BLE MR. MACKENZIE said that he had received a communication from some members of the Calcutta Trade's Association, who were doubtful whether they would be liable to the tax as wholesale dealers or as shop-keepers. They were taxed at present under the Municipal Act as shop-keepers, and the intention of the Bill was to keep to the principle of that schedule. The question of whether a man was a wholesale or a retail trader was one of fact. Any person who sold goods for cash by retail was certainly a retail trader, however large his occasional orders might be. To make it more clear that under Class I. it was only meant to touch wholesale business of all kinds he would move that class I in Schedule A be altered so as to stand thus—

*Schedule A, Class I.*—"Every joint-stock company; every banker; every wholesale merchant, dealer, commission agent or manufacturer; every professional money-lender; every ship-owner; and every mill-owner, or screw-owner."

The motion was agreed to.

On the motion of the HON'BLE MR. MACKENZIE the words "engaged in any trade, dealing, or industry" were substituted for the words "engaged in trade, or commerce" in classes II, III, and IV of the same Schedule.

The HON'BLE MR. MACKENZIE then moved the substitution of the following for Class I of Schedule B :—

*Schedule B, Class I.*—"Every joint-stock company; every banker, shroff, or banian; every wholesale merchant, dealer, commission agent, or manufacturer; every builder; every contractor; every carrying company; every owner or farmer of hauts or bazars; every owner of cotton, jute, hide, or other screws; every ship-owner or dock-owner, or owner of chowks; and every auctioneer."

On the motion of the HON'BLE BABOO KRISTODAS PAL the following memorial, which had been received from certain owners and farmers of hauts and bazars, was read:—

"That your memorialists observe with regret that in Schedule B of the License Tax Bill now before your Honor's Council 'owner or farmer of hauts and bazars' is included in class I as being a person carrying on "trade, industry, or dealing."

"Proprietors of bazars or markets are, as your Honor in Council is well aware, simply owners of land, who charge rents for the use and occupation of the grounds or buildings thereon by vendors of articles. They do not carry on any 'trade, dealing, or industry,' and as land has been specifically excluded from the scope of this Bill, your memorialists fail to perceive why owners and farmers of hauts and bazars in Calcutta have been included in the Schedule. They may observe that they had not been included in the License Act of 1867 or the Certificate Act of 1868.

"It is true that the owners and farmers of markets are subject to the municipal license tax, but the reasons and objects of the municipal license tax and provincial license tax are different. The municipality renders conservancy service, and employs a sanitary agency for the examination of articles exposed for sale in a market, and it is therefore meet that the proprietors of markets should be made to contribute to the municipal fund. But the provincial license tax includes within its purview trades, dealings, and industries, and as ownership of land or house, whether used for a market or any other purpose, does not fall within the meaning of the License Bill, it cannot be consistent with the declared policy of Government to exempt land from this tax, and bring under its operation proprietors and farmers of markets in Calcutta.

"Your memorialists therefore pray that proprietors and farmers of markets be excluded from Schedule B of the Bengal License Bill."

The HON'BLE BABOO KRISTODAS PAL said the petition which had been just read sufficiently explained the reasons why proprietors and farmers of bazars should not be brought within the scope of the Bill. The avowed object of the Bill was to tax the trading classes, inasmuch as the landed classes had been reached under the Public Works Cess Act. Now, the owners and farmers of markets could not under any construction of the words "trades, dealings, and

industries" be taken to fall within that category, and as the Council had thought fit not to include the landed classes in the territories subject to the Government of Bengal within the scope of the Bill, he did not think it right or proper to include the proprietors and farmers of markets in Calcutta. It was true that they were included in the schedule of the Calcutta Municipal Act, but that, he submitted, was no ground for including them in this Bill. As explained in the memorial which had just been read, there was good reason why the owners and farmers of markets were included in that Act, because special services were rendered by the Municipality to those proprietors, namely, by conservancy arrangements and by the inspection of the produce sold in and the sanitary condition of the markets by the Health Officer's Department and also by the general improvements made in the town. But these considerations did not apply to the imposition of this license tax, and as no class of landed proprietors were included within its scope, he thought that the proprietors and farmers of markets in Calcutta should be similarly exempted from its operation, and he would therefore move the omission from Class I, Schedule B, of the words "every owner or farmer of hauts or bazars."

HIS HONOR THE PRESIDENT observed that the owners and farmers of markets were exempted from assessment under the Public Works Cess Act, and now wished to be exempted from the License Act. They wished to escape as landowners from the one, as inhabitants of towns from the other. Looking at the names attached to the memorial, he could not say that they were persons who could properly claim to be exempt from special taxes to which all classes having a permanent interest in the country had been subjected.

THE HON'BLE BABOO KRISTODAS PAL explained that wherever there were municipalities in the mofussil the road cess was not levied within their limits, because the construction and maintenance of roads as well as conservancy arrangements were met out of the proceeds of the municipal rates and taxes.

THE HON'BLE MR. MACKENZIE observed that the simple reason why this class fell under Schedule B was that it was assessed under the schedule of the Calcutta Municipal Act and classed there with persons carrying on "Professions, Trades, and Callings." To this no objection had apparently been raised. The owners of bazars did not sublet them in specific plots for definite terms at fixed rates of rent. They often had on the contrary a direct interest in the profits derived from markets, whether they themselves collected the fees paid by the vendors therein, or had leased out their rights to such fees. It would have been considerably more to the purpose of the memorialists if they had stated that they had no interest in the profits derived from the sale of produce in the markets of which they were owners or farmers.

THE HON'BLE MR. BAYLEY thought that it was stretching a point to say that they, the owners and farmers of markets, took rent for the shops and stalls in such markets; he believed that they rather took fees for the sale of produce. Moreover, it should be considered that at present these gentlemen paid nothing either under the Road Cess Act, or under the Public Works Cess Act, and now it was contended that they were not to pay any thing under this Bill in respect of the trades and dealings which were carried on in the markets of which they were the owners and farmers. So that they would get off in both ways. For these reasons as he could not agree in the amendment which was proposed, and he would vote against it.

HIS HONOR THE PRESIDENT asked if the hon'ble mover of the amendment was prepared to say that the memorialists, and those whom they represented, only took rents for the shops and stalls in their markets, and not fees for the sale of produce therein. He believed that most of them, besides taking rent for the fixed shops within the markets, took a daily fee from all chance comers and squatters for permission to sell their produce, or that, if they did not take these fees directly, they farmed out the right to levy them.

THE HON'BLE BABOO KRISTODAS PAL observed that as far as he was aware there were two kinds of market rents—first, monthly rents for shops, godowns, and fixed stalls; and secondly, a daily rent from vendors of such articles as vegetables and fish, who were not regular in their attendance at the market. Generally rents were received in money; sometimes in kind. But in whatever form it was taken, it was rent and not profits on the sale of articles. And, as he had before explained, the reason why the owners and farmers of markets were



included in the schedule of the Calcutta Municipal Act was that the Municipality rendered special services, that was to say by conservancy arrangements, the inspection of articles sold in the markets, and by general sanitation.

The HON'BLE BABOO ISSER CHUNDER MITTER said it seemed to him very doubtful how these owners and farmers of markets came to be included within the list of professions, trades, and callings, specified in the schedule to the Calcutta Municipal Act, but the fact was there they were. He was not quite sure whether the farmers of hauts and bazars did not derive some profit from the sale of produce in them. In all markets the vendors had to pay something to the farmers who came in daily, but whether such payments were composed of rents, or of rent and profits, he was not quite sure. He was inclined to think that the gains of farmers were composed both of rent and profits. Municipalities in the mofussil were so small and few that it might be said that there the owners and farmers of hauts and bazars had to pay road cess in some form or other and public works cess; whereas the owners or rather farmers of markets in Calcutta had no such cess to pay. On these grounds he was not quite prepared to support the amendment.

The Council then divided on the amendment :—

*Ayes 3.*  
HON'BLE RAJAH PRAMATHA NATH ROY,  
BAIDDOOR.  
„ NAWAB MEER MAHOMED ALI.  
„ BABOO KRISTODAS PAL.

*Noes 7.*  
HON'BLE MR. JENNINGS.  
„ MR. BROWN.  
„ BABOO ISSER CHUNDER MITTER.  
„ MR. BAYLEY.  
„ MR. MACKENZIE.  
„ MR. REYNOLDS.  
„ THE PRESIDENT.

So the HON'BLE BABOO KRISTODAS PAL'S amendment was negatived, and the HON'BLE MR. MACKENZIE'S amendment was carried.

On the motion of the HON'BLE MR. MACKENZIE verbal amendments were made in classes III and V of Schedule B.

The HON'BLE NAWAB MEER MAHOMED ALI said that although he had not given notice of any amendment, he wished to be allowed to move that in section 27 of the Bill, which authorized the Collector to require returns of the persons liable to the tax from Municipal Commissioners and panchaits, all mention of panchaits should be omitted. He had no objection to such returns being called for from Municipal Commissioners; but he had seen so many instances of oppression on the poor practised by mofussil panchaits, that he must object to any such power as that contained in this section being conferred on them.

After some conversation, the motion was put and negatived.

On the motion of the HON'BLE MR. MACKENZIE the following words were added to section 27.

“Such return, when finally accepted or settled by the Collector, shall be deemed to be the list referred to in section 10.

On the presentation of a petition of objection under section 17 by any person entered in such list the Collector may either dispose of it himself, or may refer it to any officer specially empowered by Government under section 19, or to a bench of not less than three Commissioners, whose decision shall be final.”

The HON'BLE BABOO KRISTODAS PAL withdrew the amendment, of which he had given notice, to omit from the preamble of the Bill the word “permanent” before the words “increase of the revenue.”

The HON'BLE MR. MACKENZIE said he thought it would be found that nearly all the amendments made were practically verbal amendments or changes of so slight a character that it might be safely considered that, with one exception, the clauses of the Bill had been settled in the form recommended by the Select Committee. This exception was a relaxation of one of the clauses of the Bill by which payment of the tax by one member of a firm constituted payment by all of them. In adopting this principle the Council had followed the lines laid down in the Bill passed by the Governor-General's Council. But this was not such a material alteration as to make it necessary to defer the passing of it, and as it was essential that there should be no further delay in the matter, he would apply to his Honor the President to suspend the rules for the conduct of business to enable him to move that the Bill be passed.

HIS HONOR THE PRESIDENT declared the rules suspended.

The HON'BLE Mr. MACKENZIE then moved that the Bill, as amended, be passed.

The HON'BLE BABOO KRISTODAS PAL said he could not allow that occasion to pass without saying a few words on the Bill. He had given his adhesion to the Bill, on the ground that the demand had been made by the Government of India in the sacred name of humanity, and, whatever differences of opinion might exist as to the form of the tax and the details of the Bill, he thought there could be but one opinion as to the necessity for raising the money and the obligation resting upon the people to respond to the call thus made upon them. But in the progress of the Bill circumstances had transpired, in regard to which he considered it his duty to protest against the passing of the Bill.

He thought that the Government owed it to the people over whom it held sway, to explain whether these taxes should be a permanent burden upon them, or whether it might not be possible to remit the taxes, say at the end of five years, by making necessary retrenchments. None was better aware than His Honor that there was ample room for economy, and His Honor had himself raised his voice in the other Council in the cause of economy. If the papers were correct, he believed the Government of India was also anxious to press upon Her Majesty's Government the necessity of enforcing economy. He thought he would not be doing his own duty as a representative of the native population in this Council, if he did not say that there was a wide feeling growing in the country that the Indian tax-payer was being sacrificed for the sake of the exigencies of the Imperial policy of England. It would not be denied that the home military charges of India had been increasing year after year against law and equity, if those charges were adjusted on a fair and equitable basis; if, again, reduction were made in the Indian army, which had been long advocated by Government, and other retrenchments carried out, savings might be effected which would yield much more than the sums which would be produced by the new measures of taxation. Such being the case, he thought it would have been gratifying to the people, who had so loyally accepted the burden, if the Government had given them an assurance that at the end of, say, five years, the new taxes would be remitted. On that ground he had proposed to move that the operation of this Bill should be limited to five years; but he was grieved to find that it was not open to him to make such a motion.

Then, when the Bill was originally introduced, its object was stated to be to save life by executing insurance works against the Famine; and he might say that his countrymen, whom he had the opportunity of consulting on the subject, had agreed with him that they should render every co-operation in the furtherance of that humane object. But how was that object to be brought about? They had been at first told by the hon'ble the Financial Member that the money to be raised by the new measures of taxation would be religiously applied to the execution of works in the nature of an insurance against famine; but they were now told that the Government would invest the fund in the construction of public works in the same manner as heretofore. But, have the public works hitherto executed proved an insurance against famine? He read in the last *Gazette of India* a despatch of the Secretary of State recommending the appointment of a Famine Commission, in which the Right Hon'ble the Secretary of State said:—

“In the reports which your Excellency has forwarded me from time to time, I find much to lead me to believe that the very cause which produced the famine in many cases has made irrigation works wholly or partially ineffective. The same want of rain, which parched the fields, emptied the tanks and lessened the value of the rivers.”

This opinion of the Secretary of State cleared up the point as to whether it would be advisable to spend more money or not upon irrigation works. In regard to railways, BABOO KRISTODAS PAL fully recognised their value in connection with famines. But he observed in a recent number of the *Gazette of India* that while more than fifteen millions had been spent in a few years on State Railways, the nett charge upon the Revenue, in other words the deficit upon this account, amounted to about half a million per annum; and if more money were spent upon these unproductive irrigation and railway works, there would be a larger and larger charge upon the revenues of the country. It might be that in the fulness of years some of those railway schemes might prove sufficiently

productive; but the question was whether the money to be raised by proposed taxation, if invested in the extension of public works, would yield a sufficient return to meet the interest upon the loans that might be required for famine purposes once in ten years, estimated at fifteen millions.

It would have been satisfactory if the Hon'ble the Financial Member had explained what sort of works would be undertaken by the Government as an insurance against famine. But he himself raised the question and answered it in this way—"if he were asked to describe the works that would be undertaken, he could not give an exact reply." Thus the hon'ble Financial Member, though speaking as the exponent of Government, did not know what would be the nature of the works that would be undertaken, and yet we were called upon to impose taxes for works of which no one could be sure whether they would be a real insurance against famine or not. There were other points in connection with this Bill which BABOO KRISTODAS PAL would not touch upon here, as it would take up the time of Council without any direct result. But upon the two grounds which he had stated, namely, that the tax was to be made permanent, and that the fund was to be applied to the construction of public works, that in fact the new tax was to be an addition to the Public Works Cess imposed last year: upon those two grounds he felt it to be his duty to protest against the passing of the Bill. So far as Bengal was concerned, this measure involved a double injustice. We had been led to hope that the cess of last year would suffice for works which were intended to be in the nature of an insurance against famine, but it would be seen that such was not to be the case. Then again it was stated in the other Council on Saturday last that if contingencies should arise, the famine fund might be applied to general purposes of the State, but the establishment of a statutory fund would fetter the hands of the Government, and might consequently tend to complications or additional taxation hereafter; so that practically, this tax, though originally intended for famine purposes, would be so much addition to the general revenues. He said if the general revenues were not sufficient, the Government should have openly declared its position and called upon the community to strengthen its hands. But it was not consistent to take money for famine purposes and apply it to works which might not prove an insurance against famine, or to purposes to which the general revenues were applicable. On these grounds he considered it his duty to protest against the passing of the Bill.

The HON'BLE RAJA PRAMATHA NATHA ROY BAHADOOR said that before the motion was put, he would also protest against the passing of the Bill on the grounds which had been already stated by the Hon'ble Member who preceded him, particularly as it sought to impose a permanent tax, to which on the ground of its permanency his countrymen, as far as he could judge from the organs of native public opinion, were also opposed.

HIS HONOR THE PRESIDENT must say that he had been taken somewhat by surprise by the action taken by his hon'ble friend, because he could find no sort of justification for his change of policy in any thing that had been said by the Financial Member of the Governor General's Council or by any member of the Government of India, or by himself. He must say that he understood that the natives of Bengal, and especially his hon'ble friend, fully recognised the impossibility of the Government carrying on the large system of railway and irrigation works necessary to prevent famines in future, and of relieving future famines on the principle which no one had more loudly urged upon the natives of Bengal, without an increase of means, and that they were anxious and willing in common with the people of other parts of India to bear their share of the burden, and place the Government in a position to obtain those means. There was no doubt that with respect to economy there was a great deal of truth in what his hon'ble friend had stated. But that was not an idea peculiar to himself. It had been continually noticed by His Excellency the Viceroy, by Sir John Strachey, by himself (the Lieutenant-Governor) and others, and it was a matter that was receiving the most earnest attention on all sides. A great part of His Honor's time was now spent in trying how far they could reduce expenditure in the administration. Expenditure in the Army and in the Home charges were matters with which it was not in his power to deal, and he doubted whether it was in the power of the Government of India to deal with it altogether. But he was sure that the subject was receiving the serious

attention of the Government of India, and that the Government would do what it could in these directions. No one could be more anxious on the subject than His Excellency the Viceroy. His hon'ble friend seemed to him to draw a distinction between what he called expenditure on works for preventing famines, and expenditure on public works. His HONOR must confess he could not understand what his hon'ble friend meant by works for the prevention of famine. His HONOR's idea was that it meant works of irrigation in dry countries where irrigation was wanted, and works of communication, railways and feeders chiefly, which would have the effect of enabling people, in parts of the country where there was a good harvest—and there were fortunately places where there were always good harvests—to transport their grain to other parts of the country where there had been bad harvests; and he could not conceive how any one who had seen what had been transpiring within the last few months could hesitate to say that, whatever had been done in Madras in the way of saving human life, had been done through the help of railways, and he could not help feeling that without those railways Madras would have been left in just as helpless a condition as Orissa was during the famine there some eleven years ago.

His hon'ble friend had quoted the remarks of the Secretary of State for India to show that expenditure upon works of irrigation was next to useless, but he had quoted a single sentence favourable to his view from the despatch on the Famine Commission and had not given a correct idea of the Secretary of State's views. His HONOR found that the Secretary of State mentioned that the Government had expended sixteen millions sterling upon irrigation, and he went on to say:—

“The financial results of these undertakings have varied remarkably. The earlier works, especially those which have been constructed in the localities already selected for that purpose by the earlier rulers of the country, have been singularly profitable. According to the estimate now before me, the Eastern Jumna Canal has yielded 36 per cent., and the Western Jumna 27 per cent.”

No doubt, as had been observed, there had been places in which schemes of irrigation had been carried out, and had been proved to be exceedingly unprofitable. But the charge for those schemes had been already met by the Public Works Cess, and no portion of the money to be raised on the present occasion could, by any possibility, be expended on those unprofitable irrigation works of Orissa. As to future irrigation, it might be quite accepted as a fact that money now raised would be entirely expended upon works which were desired by the people, and upon which there would be an unquestionable return. In regard to the works of irrigation which had been proposed during His Honor's time, he had always refused to act until the people themselves had come forward and asked for the scheme, and the only new schemes which had been commenced lately had been the works in regard to which the people themselves had been the first to move; and in one case had actually guaranteed the whole of the interest on the money which would be expended, and in the other case, they were still considering whether they should do so.

As regards the question whether the money raised under this Bill was to be devoted to paying off a loan for money expended on one work or another, was of very little matter. He fancied that the Government was determined to do its duty to the country, and proceed with the construction of public works; and the only question was whether they should be entirely paid for by future generations or partly by the present generation. A certain amount would be annually expended in opening out the country by means of railways and canals, which would have the effect of making the country comparatively safe from the effects of future famines. Now, the money raised under this Bill would go to the purpose of making railways and other public works, which would otherwise have to be made from money raised by loans. Under the present system, they were made by what were called extraordinary loans, which were very strictly limited to works which were of a remunerative character; and instead of raising that money, as now, by means of loans, a large proportion of it would be paid out of the revenues raised by new taxation, and the country would be saved from so much of debt, and when famine did arise would be able to borrow anything that was necessary to meet it, without adding to the debt of the country anything more than would have been added if nothing was spent for famines,

and the same amount hitherto spent was spent on preventive works. It was calculated that the amount which would be thus paid off would be sufficient to meet the cost of famines when they arrived. One and a half millions less of debt in 10 years would give the 15 millions which, it was calculated, might have to be spent on famine in the next ten years. And it might be hoped that if in the meantime this money so collected was judiciously invested in public works, whether they were directly or indirectly remunerative, all the horrors and much of the outlay of future famines could in time be averted. He could not conceive that his hon'ble friend really would prefer that the money should be locked up in a strong box and kept there for ten years. We would then find ourselves in the same helpless condition, without roads, canals and railways, or any means of transporting grain from one part of the country to another.

As he had said before, he did not understand to what part of the scheme his hon'ble friend objected. There seemed to him to be not the slightest difference between discontinuing to borrow money for works, which all admitted were required, and which must be made, and paying off the interest upon old loans. It seemed to His Honor a most selfish policy for this generation to throw upon posterity the cost of paying for famines which did not occur in their time, and that would be the result of meeting famines by continually, instead of yearly, raising fresh money to meet them whenever they arose. He thought the views of his hon'ble friend, which, he said before, seemed selfish, were entertained by very few of his fellow-countrymen and by very few of the Members of this Council, and he hoped that the Bill now before them would be passed.

He understood that his hon'ble friend did not object to pass the Bill for five years, but objected to pass it without a limit of time.

The HON'BLE BABOO KRISTODAS PAL said he wished to say one word by way of explanation. He wished to point out the difference in the circumstances since the introduction of the Bill which had led him to modify his opinion in respect to it; that there was now no guarantee, in the way the appropriation section was worded, and the policy which had been lately announced, that there would not be further increase of taxation when a famine should arise hereafter, there being in consequence of that policy no positive insurance against famine.

The Council then divided :—

<i>Ayes 3.</i>		<i>Noes 7.</i>	
THE HON'BLE PRAMATHA NATHA ROY.		THE HON'BLE MR. JENNINGS.	
„ NAWAB MEER MAHOMED ALI.		„ MR. BROWN.	
„ BABOO KRISTODAS PAL.		„ BABOO ISSERCHUNDER MITTER	
		„ MR. BAYLEY.	
		„ MR. MACKENZIE.	
		„ MR. REYNOLDS.	
		„ THE PRESIDENT.	

So the motion was carried and the Bill passed.

The Council was adjourned to Saturday, the 23rd instant, at 11 A.M.

**APPOINTMENT OF A COMMITTEE TO REPORT ON THE MANAGEMENT OF THE MEDICAL INSTITUTIONS OF CALCUTTA AND THE SUBURBS, AND ON MEDICAL EXPENDITURE GENERALLY IN BENGAL.**

MEDICAL DEPARTMENT.

*Calcutta, the 18th February 1878.*

READ AGAIN—

The report on Charitable Dispensaries for 1875, and the Resolution of Government thereon.

The report on Medical Institutions of Calcutta and the Suburbs for 1876, and the Resolution of Government thereon.

The report on Lunatic Asylums for 1876, and the Resolution of Government thereon.

The report on Vaccination for 1876, and the Resolution of Government thereon.

Letter No. 971T., dated 3rd July 1877, to the Surgeon-General, Indian Medical Department, appointing a Committee to report on the Out-door Dispensary at the General Hospital, and on the increase in the cost of European medicines in that hospital between 1870 and 1877.

Letter No. 912, dated 25th September 1877, from the Surgeon-General, Indian Medical Department, submitting the report of the Committee with his own remarks.

Letter No. 2330T., dated 14th October 1877, to the Surgeon-General, Indian Medical Department, reviewing the report of the Committee, and desiring that the expenditure of the hospital should be fully enquired into by the Committee appointed to report on the Sealdah Pauper Hospital, assisted by an experienced officer of the Accounts Department.

Letter No. 1207, dated 17th November 1877, from the Surgeon-General, Indian Medical Department, in which Dr. Beatson deprecates the proposal to subject the general question of the expenditure of the General Hospital to special enquiry.

Resolution dated 9th January 1878, on the subject of the increased expenditure of the Sealdah Pauper Hospital.

Read—

Letter dated 17th December 1877, from Surgeon-Major J. Ewart to Sir Joseph Fayrer, K.C.S.I., on the subject of the expenditure of the General Hospital.

Letter No. 1548, dated 18th January 1878, from Surgeon-General, Indian Medical Department, submitting a statement showing the value of medical stores issued by the Medical Store Department to the hospitals and dispensaries of Calcutta during the past ten years.

IN the Resolution on the Annual Administration Report of the Medical Institutions of Calcutta and the Suburbs for 1876, the Lieutenant-Governor had occasion to remark on the unsatisfactory and imperfectly explained statements of expenditure which had been submitted for the different hospitals and dispensaries. It was seen that the gross expenditure bore apparently no proper ratio to the numbers relieved, as charges which had originally risen with increasing calls on the hospital resources were found to have gone on increasing with diminished numbers of patients. Thus it was observed that the gross number of patients treated had fallen from 313,462 in 1875 to 310,016 in 1876, while the gross charges had risen from Rs. 4,88,835 to Rs. 5,07,473. The most conspicuous instances of apparently extravagant administration were found in the Sealdah and General Hospitals; but the Lieutenant-Governor expressed his apprehension that none of the metropolitan medical institutions were free from waste and pilfering of expensive drugs. The first-named hospital has, in consequence of the apparent necessity for an increased grant, since formed the subject of full and most careful enquiry; the facts have been thoroughly sifted, and the Lieutenant-Governor has, after the most anxious consideration, pronounced his decision. The Lieutenant-Governor has also had one branch of the expenditure of the General Hospital since 1870, that relating to European medicines, examined by a Committee consisting of Dr. Cockburn, Deputy Surgeon-General, Dr. Elliot, Surgeon Superintendent, and Dr. French, Civil Surgeon, 24-Pargunnahs. The report of that Committee disclosed some very remarkable figures. It was shown that between 1871 and 1872, with an increase of 21 in the daily average number of European in-door patients, there was a rise in the cost of European medicines from Rs. 6,717 to Rs. 11,308; that, while the total daily average of



sick was about the same in 1873 as in 1870, the cost of European medicines was Rs. 14,453, against Rs. 6,426; and that in 1874, while the gross daily average of all in-door and out-door patients was one less than the daily average of in-door patients, all Europeans, in 1872, the cost of European medicines was Rs. 17,804, against Rs. 11,308. The Committee submitted no explanation of the causes of this extraordinary increase, while the solution suggested by the Surgeon-General was found to be erroneous. The Lieutenant-Governor therefore deemed it necessary to desire that the subject should be thoroughly examined by the Committee to which the enquiry regarding the Scaldah Hospital had been entrusted, assisted by an experienced officer of the Accounts Department. To this course the Surgeon-General demurred, on the ground that it would be "unfair to the Superintendent, who has been hitherto encouraged in a very liberal expenditure, to overhaul his management upon totally opposite principles, without affording him the opportunity of changing the system, so as to bring it into greater agreement with the rigid economy required under the new régime." The Lieutenant-Governor has first to remark that this plea begs the whole question of the causes of the particular increase to which attention was specially directed. Nothing that has yet come to light has shown that any encouragement was held out to the Superintendent (Dr. Ewart) in the matter of an excessive expenditure of European medicines; nor is it possible to conceive how any encouragement, had such been given, could justify the administrative head of a great institution in more than doubling the average expenditure on European medicines in the course of three years. Dr. Ewart claims to have shaped his administration generally on certain orders recorded by Sir Richard Temple in September 1874 and March 1875; but those orders had no reference whatever to the expenditure of medicines, and they were issued after the expiry of the period during which the circumstances which, in Mr. Eden's opinion, require investigation occurred. The Lieutenant-Governor has no intention of prejudging the case: but he considers that the figures above quoted are such as call for careful examination with the view as much of rectification in the future as of explanation in the past. While the Lieutenant-Governor readily admits that the officers officiating as heads of the hospitals at the present moment have done much in the last few months to reduce expenditure, the enquiries which he has prosecuted into the subject of hospital and medical expenditure generally have confirmed him in the apprehension expressed in the Resolution above referred to, and convince him that the whole question requires most careful and detailed consideration, in order that the rapidly increasing cost of this branch of the administration may be brought back to the limit, which it has long overstepped, of the actual wants of the public. He has therefore nominated for this purpose a Committee to consist of the following members:—

Mr. J. O'Kinealy	...	...	...	<i>President.</i>
Mr. D. M. Barbour	...	...	...	} <i>Members.</i>
Surgeon-Major A. J. Payne	...	...	...	
" " J. M. Coates	...	...	...	
" " J. J. Jones	...	...	...	
" " S. Coull Mackenzie	...	...	...	
Mr. C. Macaulay, <i>Secretary</i>	...	...	...	

2. The first duty of the Committee will be to institute a careful enquiry into the administration of each hospital and dispensary in Calcutta and the Suburbs during the past ten years. The following points are noted for consideration:—

General control and management.

The system of superintendence, its kind and cost. The subordinate staff, its kind and cost. The details of daily work as it is now done by subordinates and servants, and the cost.

Nursing.

The daily duty done by superintending and subordinate nurses. The effect of the nursing system in reducing previous staff of ward attendants. The extent to which nurses are utilised in superintending the custody of clothing and stores, and in watching the distribution of diets and medicines. The source from which the cost of the nursing system is defrayed.

Educational officers.

In educational hospitals, the precise relation in which hospital officers, who are also teachers, stand to the administrative head of the institution, and the regularity or otherwise of their attendance in the wards.

The agencies to which the charge and keeping of the stores are committed and by which the issue of these stores is directed. What officer presides in the dispensary during the compounding of medicines, and who governs the issue of these to the patients? Generally, what precautions are taken to guard against neglect or dishonesty in respect to these stores? Who checks indents for medicine, and what evidence is considered sufficient that medicines said to have been expended during a year have actually been so? Does the Examiner of Medical Accounts exercise any efficient influence over expenditure of medicine? The same questions as to control, care, custody, and inspection of surgical instruments. Is stock taken by a commissioned officer of medicine or instruments in the intervals between the indents; if so, how often and by whom?

Similar enquiries should be made with regard to bazar medicines, cloth, &c., purchased for the hospital. How are these procured? Who settles the terms of contract? By whom are daily supplies

inspected and passed for use? What power of punishing purveyors is exercised and by whom? Who superintends the issue of diets and extras in the wards, and what precaution is taken against fraud? Is diet checked by the Examiner of Medical Accounts? How are wines, spirits procured? In whose charge are they kept and by whom issued to the patient? Who presides over the cook-room? Are the working establishment and the apparatus economical and efficient? Is diet issued to any but actual in-patients of the hospital, or is the hospital crowded by the admission of relatives and friends of patients?

Who directs the purchase and maintenance and what becomes of condemned articles? In whose charge is stock kept, and when and by whom is inspection made?

What is the method of purchase, of inspection and custody, the period of stock-taking and the precautions against robbery. In whose charge is clothing in use in wards, and how is it changed? The Committee should enquire generally into the management of clothing and disposal of condemned articles or their conversion to ulterior uses.

Who determines the cases to be admitted, and by what principles is it governed? What precautions are taken against unnecessary admission, that is, of trivial or incurable cases, and generally are the wards so managed in this respect as to serve to the utmost possibility the needs of the sick poor of the town? In old and incurable cases what is done? May it not be desirable to abolish the lying-in ward at the General Hospital, when proper accommodation for the obstetric ward is furnished at the Medical College Hospital? This should be specially considered with reference to the danger of having such wards in the centre of hospitals for general diseases.

The Committee should suggest means of preventing persons living on the public by passing from one institution to another, and generally of guarding against the hospitals being used as almshouses. Give a return of all cases which are now in hospital for over 9 months with a report as to the probability of any cure in such cases.

What private accommodation exists in any of the hospitals and what classes use it? What rates of payment are required, and what precautions are taken against abuse of public charitable hospitals by persons able to pay for private attendance?

It should be understood that the Lieutenant-Governor does not intend this list of heads of enquiry to be taken as exhaustive, and that the Committee will be at liberty to consider and report on any point which they may think fairly falls within the sphere of a Commission of Enquiry or may be suggested by officers in charge of particular institutions.

3. In addition to a report on the administration of each hospital, the Lieutenant-Governor wishes the Committee to draw up a general scheme for the management of these institutions on a uniform system. They should prepare forms of diet sheets and extra statements which shall show the head of the institution *daily* the expenditure of the previous day; scales of diet for the several races; and forms of stock inspection books. They should provide for the separate recording of expenditure on in-door and out-door patients under all heads, so as to include medicines, and especially arrange that some individual be so charged with every class of article expended, that personal responsibility may be fixed and indisputable in case of loss. They should also consider the question of private practice in its relation to hospital duty and superintendence. It is probable that loss and destruction of clothing arises from the long intervals between the condemnation and replacement of stores, which lead to accumulation of useless articles and the purchase of large quantities at one time and to consequent difficulty of close observation by superiors; the Committee should lay down a minimum period, which should perhaps not exceed three months. It should be provided that, with full personal responsibility exacted from him, the Superintendent be not fettered and other officers harassed by the convening of outside Committees on clothing and the like. The Committee should consider the possibility of having clothing for the different hospitals and institutions manufactured in jails, of a distinctive pattern and



mark which would render them unsaleable in the market. The names and offices of all persons connected with public hospitals, who are interested in private dispensaries, should be ascertained. The officering of the subordinate officials, apothecaries, stewards and clerks should be enquired into. The advantages or otherwise of the supposed control over hospital and dispensary expenditure exercised by the Examiner of Medical Accounts should be carefully considered.

With these indications of the Lieutenant-Governor's views on particular points, the Committee will understand that they are expected to enquire into every branch and department of hospital administration, and to point out any circumstances in which they think alteration desirable. The Committee will be empowered to require the attendance before them of any medical officer under the Government of Bengal whose evidence or opinion they may desire to take. The Government of India will be asked to allow the Examiner of Medical Accounts to appear before the Committee and supply the members with such returns and papers as they may require.

4. The Lieutenant-Governor would wish the Committee if possible to extend their enquiries to Medical Schools, Charitable Dispensaries outside Calcutta, Lunatic Asylums and Vaccination. These branches of their enquiry should be taken up after the question of Medical Institutions of Calcutta and the Suburbs has been disposed of, and their recommendations should be embodied in one report for each branch. In connection with expenditure outside Calcutta, the Lieutenant-Governor wishes the Committee to give their special attention to the manner in which indents for medicine and medical stores and instruments are prepared, submitted and checked, and the manner in which they are complied with, especially in regard to the allegations which are from time to time made of delay in the Medical Store-keeper's Department. The more general substitution of native medicines and drugs for European medicines in dispensaries, especially in out-dispensaries under native doctors, should be thoroughly considered. In pursuing their investigations under these heads, the Committee will be empowered to require through the Surgeon-General the attendance of, and to examine, any officer connected with the administration of the various departments under enquiry.

By order of the Lieutenant-Governor of Bengal,

HORACE A. COCKERELL,

*Offg. Secretary to the Government of Bengal.*

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RESOLUTION ON THE ADMINISTRATION OF CHARITABLE DISPENSARIES IN BENGAL DURING 1876.

MEDICAL.

*Calcutta, the 18th February 1878.*

READ—

The Report by the Surgeon-General on the working of the Charitable Dispensaries in Bengal for the year 1876.

Read again—

The Report on Charitable Dispensaries for 1875.

At the close of 1875, 207 permanent dispensaries were open in Bengal, 23 new dispensaries were established during 1876, one old dispensary was re-opened, and one was closed, so that at the end of the year 230 dispensaries were open for the purposes of charitable relief. Of temporary dispensaries there were 34 open at the beginning of the year, but 25 were closed during the year; the remaining nine being maintained as permanent dispensaries in the districts of Burdwan and Midnapore. This decrease was due to the abatement of the malarious fever which had for some years prevailed in Western Bengal.

2. It is not at all clear that an increase in the mere number of dispensaries is of itself a matter for congratulation. There is too much reason to believe that the multiplication of branch dispensaries in places where frequent inspection is impossible has resulted in a low standard of efficiency, and that the practice of treating the number of patients in attendance as the test of the popularity of the native doctor in charge of the dispensary has led in some cases to the fabrication of returns to such an extent that the statistics of outlying dispensaries are regarded by good authorities as entirely fallacious. Doubtless it may be urged that even the large number of dispensaries now in existence is inadequate to the requirements of the people for medical aid, and that a certain amount of laxity of supervision, with its accompanying evils, is one of the necessary conditions under which medical relief must at present be administered. But Mr. Eden considers that this view cannot seriously be maintained. It is far more important that in each district there should be a few dispensaries situated at well selected points, and kept under strict control in respect of the treatment of patients and the expenditure of medicines, than that the country should be covered with institutions which do not command the confidence of the people, and which too often operate to prevent private practitioners from establishing themselves in the neighbourhood. It is true that the dispensary committees might exercise a searching control over the medical subordinates in charge, but practically they have failed to do so, and the present state of things is consequently far from satisfactory. The Lieutenant-Governor looks to Dr. Irving, the newly appointed Surgeon-General for these provinces, to go carefully into the question of maintaining these outlying dispensaries, and to consider whether any means can be devised for attaining greater efficiency without unduly contracting the sphere of gratuitous medical relief.

3. The number of charitable dispensaries in which in-door patients were received rose to 146 in 1876 against 135 in the previous year; the number of dispensaries treating out-door patients only being 224 against 198. This increase of in-door accommodation is satisfactory.

4. Among the 230 medical officers in charge of dispensaries there were 55 assistant surgeons, 24 hospital assistants, 141 apothecary and vernacular licentiate class native doctors, and 8 native doctors locally entertained. Thirty-two native doctors were added to the staff during the year, and the number of hospital assistants was decreased by eight. Under recent orders of the Government of India, the employment of military hospital assistants in civil work will be discontinued, and all native doctors who have received a professional education will be absorbed into a new service of civil hospital assistants. No difficulty need be apprehended in meeting the requirements of Bengal in respect of medical subordinates from the existing medical schools; and it is anticipated that there will be some demand from other provinces for civil hospital assistants educated in Bengal. It is satisfactory to find that the

percentage of medical subordinates who could keep their records in English rose during 1876 from 94 to 97 per cent. Every effort should be made to induce these men to keep up their knowledge of English and to study English medical works. The number of good medical treatises in the vernacular is trifling, and as the knowledge of English spreads the demand for such works is continually decreasing.

5. The following statement shows the number of in-door and out-door patients treated in the dispensaries of Bengal in the six years from 1871 to 1876:—

YEARS.								In-patients treated.	Out-patients treated.	Total.	Mortality among in-patients per cent.
1871	..	..	..	..	..	..	..	17,502	405,523	423,420	15.41
1872	...	..	..	..	..	..	..	18,118	439,177	457,295	16.07
1873	...	..	..	..	..	..	..	20,240	598,470	618,710	16.22
1874	...	..	..	..	..	..	..	23,842	636,289	660,131	16.84
1875	...	..	..	..	..	..	..	22,000	608,730	720,730	16.80
1876	...	..	..	..	..	..	..	23,012	809,275	832,287	16.81

Reviewing the results of the entire period, it appears that the number of in-patients was greatest in 1874, probably in consequence of the distress in that year, and the prevalence of epidemic fever in Western Bengal, that it fell by nearly two thousand in 1875 and increased by one thousand in 1876. For in-door patients, therefore, the normal rate of increase from all causes appears to be nearly 1,000 yearly. It has been remarked that the statistics of out-patients treated at dispensaries are open to considerable suspicion, and the figures quoted above certainly seem to give some support to this view. It is hardly credible that the number of persons applying for out-door relief at dispensaries should have risen from four hundred thousand to eight hundred thousand in a period of six years, during which period Assam was formed into a separate province and passed out of the Bengal returns. Some portion of the increase in 1876 may doubtless be attributed to the outbreak of cholera in South-Eastern Bengal, and to the inclusion of the returns of fresh dispensaries; but even after making allowance for these causes the Lieutenant-Governor can hardly believe that the figures accurately represent the medical relief afforded to the poor of these provinces during the last six years.

6. The percentage of women and children attending dispensaries, both as in-door and out-door patients, rose slightly in 1876; while the proportion of men treated as out-door patients was less by three per cent. than in the previous year. The decrease in the proportion of men was probably due to the general healthiness of the season and the abatement of malarious fever. Within the last six years there have been but slight variations in the percentage of women among both classes of patients, and it can hardly be expected that, under the present system of dispensary management, that proportion will rise much above twenty per cent. Financial considerations must for a long time render it impossible to provide such complete privacy in charitable dispensaries as would induce women of the higher castes to avail themselves readily of medical aid at a public institution, and the proportion of male patients must, therefore, continue to exceed largely that of females.

7. Out of the total number of in-door patients treated during the year, 68.36 per cent. were cured and 16.81 died, the remainder being returned as otherwise accounted for. These figures show only slight variations on the results of previous years. Nine dispensaries in the Presidency Circle, five in the Dinapore Circle, and three in the Dacca Circle, had a death-rate of more than 30 per cent. of the number treated. The highest death-rates recorded during the year were 59.54 per cent. at Goalundo, 53.19 at Titalya, and

49·23 per cent. at Barrackpore. Taking the causes of mortality, dysentery caused the largest proportion (22·25 per cent.) of the total number of deaths against 25·21 in 1875, cholera standing next with a death-rate of 20·65 per cent. against 13·72 per cent. in the previous year. It is stated that the cholera prevalent in 1876 was of a more fatal type than that of the previous year, but the Lieutenant-Governor understands that the returns cannot be accepted altogether without question. The proportionate mortality from diarrhœa, fevers, and dropsy shows only slight variations.

8. The report shows that 2,400 major and 37,929 minor surgical operations were performed in 1876 against 2,321 and 34,118 in 1875. Of the major operations, 14·2 per cent. were performed by the Superintendents of Dispensaries, and 85·7 per cent. by the medical subordinates. The mortality among the patients who underwent major operations was 3 per cent., or one per cent. less than in 1875.

9. The financial position of the dispensary funds is on the whole satisfactory. Excluding the floating balance and the cost of the medicines and printed forms supplied by Government, it appears from the statement below that the actual income of the dispensaries during the last three years has exceeded the expenditure:—

				Income.	Expenditure.
				Rs.	Rs.
1874	...	...	...	3,36,197	3,32,840
1875	...	...	...	3,74,902	3,59,979
1876	...	...	...	3,77,017	3,75,270

Out of the year's income Rs. 1,22,527 were contributed by Government; Rs. 33,841 were contributed by local funds, municipalities, and town committees; Rs. 27,403 were realized from the interest or sale of investments; native subscriptions amounted to Rs. 1,20,878, and European subscriptions to Rs. 25,138. There was a slight decrease in the proportion of the total income contributed by Government and in that derived from European subscriptions; while the proportion accruing from native subscriptions rose by nearly 4 per cent. Against this increase, however, is to be set a decline of 4·43 per cent. in the proportion contributed by municipalities. The cost of medicines and books supplied by Government amounted to Rs. 63,615 against Rs. 64,058 in 1875; but, besides this, medicines to the value of Rs. 6,393 were supplied to dispensaries in the fever districts and to dispensaries from which no returns have been received, so that Government really expended on this account Rs. 70,008. The sums invested in savings banks or in Government securities during 1876 amounted to Rs. 16,342, and in addition to this there was a balance of Rs. 1,01,865 in hand at the close of the year. The expenditure of the year exceeded the income in the case of two dispensaries only. The entire question of dispensary management will shortly be considered by the Committee appointed to inquire into the administration of the Calcutta medical institutions; and the Lieutenant-Governor hopes that definite rules may be laid down to regulate the supply of medicines on the most economical system that is consistent with efficient relief.

10. In the Presidency and Dinapore Circles the duty of inspecting dispensaries was carefully performed by the Deputy Surgeons-General; but the officer in charge of the Dacca Circle inspected only four out of seven sudder dispensaries and two out of 27 outlying dispensaries. Making full allowances for the difficulty of travelling in Eastern Bengal, and for the Assam work, which falls upon the Deputy Surgeon-General of the Dacca Circle, the Lieutenant-Governor regards this result as extremely unsatisfactory. The Civil Surgeons have paid more attention to inspection than was the case in the previous year; but there is still considerable room for improvement, and it should be remembered that, in the absence of efficient control by the dispensary committees, the only check on the medical subordinates in charge of dispensaries is constant inspection by the Civil Surgeon. The figures cited by the Surgeon-General show that, with few exceptions, the committees have as yet failed to recognise the duty of holding periodical meetings to enquire into the affairs of the dispensaries for which they have made themselves responsible, and there is too much reason to fear that in most cases their supervision is little more than nominal.

11. The Lieutenant-Governor proposes to utilise the services of the Inspector-General of Jails and the Sanitary Commissioner as *ex-officio* Inspectors of Hospitals and Dispensaries, and hopes that, as these officers will have to visit nearly every station in Bengal in the ordinary course of their official inspections, something may with their assistance be done to secure uniformity of management and increased efficiency in the supervision of local Committees throughout the country.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Surgeon-General, Indian Medical Department, for information.

Ordered also that a copy of the Resolution, together with copy of the Report, be forwarded to the Surgeon-General, Bengal, for information and guidance, and that a copy of the Resolution be also forwarded to all Commissioners of Divisions for information and communication to district officers.

Ordered also that a copy of the Resolution, together with copy of the Report, be submitted to the Government of India, in the Home Department, for information.

Ordered also that a copy of the Resolution, together with copy of the Report, be forwarded to each Member of the Committee appointed to inquire into the administration of the Calcutta Medical Institutions, for information.

Ordered also that a copy of the Resolution, together with copy of the Report, be forwarded to the Inspector-General of Jails and to the Sanitary Commissioner for information.

By order of the Lieutenant-Governor of Bengal.

HORACE A. COCKERELL,

*Offg. Secy. to the Govt. of Bengal.*

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## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 16th February 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIVN.</b>	1 Burdwan, Feb. 16 '78	Nil Cutwa 0.09.	<i>Rubbee</i> crops are being reaped. State of the cotton plants is good. Cholera has not as yet abated in Culna and Bood-Bood sub-divisions. It has made its appearance at Cutwa.
	2 Bankoora, " 16 "	0.03	Weather—slightly rainy in the beginning of the week; now it is become cool again. Full crops are expected.
	3 Beerbhoom, " 16 "	0.54	Weather—colder than last week. There has been a little rain all over the district. It has benefitted the standing winter crops.
	4 Midnapore, " 16 "	Nil	Weather—generally cloudy, getting warm, and slight rain in some places. State and prospects of the crops are fair, but rain is said in some places to be required for the standing crops.
	5 Hooghly, " 16 "	0.01	Slight rain with hail on the night of the 11th instant. Weather cooler than last week. The harvest of potato, peas, and <i>moosari</i> is going on. Mangoes are in blossom. Public health is normal. Cattle disease has abated.
<b>PRESIDENCY DIVN.</b>	Howrah, " 18 "	0.03	Weather—cooler than last week. The few crops on the ground are good. A little preparation of land is going on.
	<i>Central Districts.</i>		
	6 24. Pergunnahs, Feb. 16 '78	0.03	Weather—cloudy and a few drops of rain at the beginning of the week; since then it is cooler. State and prospects of the crops are good. General health is fair.
	7 Nuddea, " 16 "	Nil	There has been a little rain almost everywhere in the district, and the weather has consequently become much cooler and more seasonable. The harvest of the cold-weather crops continues. The outturn is not very good.
	8 Jessore, " 16 "	0.29	Weather—getting warmer. The rain of the 12th instant was general. Prospects are fair. Hail fell on 11th and 12th at Bagirhat, and is said to have damaged the <i>boro</i> plants.
<b>RAJSHAHY AND COOCH BEHAR DIVN.</b>	9 Moorsshedabad, " 16 "	0.26	Weather—seasonable. Some slight injury has been done to the crops by rain and hail, particularly in Gowas; but generally they promise well. Cholera still prevails in parts of the district.
	10 Dinagepore, " 15 "	0.68	Weather—stormy. Ploughing for the spring crops is being carried on.
	11 Rajshahye, " 16 "	0.41	There has been rain throughout the district in the early part of the week, which has been of great benefit to the crops on the ground. The weather subsequently became colder for the time. Fever is still prevalent. A few cases of cholera have been reported from Lalpore.
	12 Rungpore, " 15 "	0.54 Gaibanda 0.73.	There was a slight thunderstorm on the night of the 11th instant. The slight rain during the week has been good for ploughing and for the tobacco crop. There is little else on the ground.
	13 Bogra, " 16 "	1.76	There was a heavy shower of rain accompanied with hailstones on the 12th instant. The weather has since been much cooled. The hailstones have done some injury to the <i>rubbee</i> crops now on the ground, but the rain is calculated to facilitate the ploughing of the lands for the <i>aus</i> . Price of rice was almost stationary during the week. Cholera is on the decrease, and small-pox has disappeared.
	14 Pubna, " 16 "	0.08	Weather—fine and seasonable. Thunder, wind, and a little rain on the 12th instant. The prospects of the <i>rubbee</i> crops appear to be promising. The harvesting of <i>huldi</i> is still going on. Cholera has again appeared in the Pubna town; there were five cases, out of which four have proved fatal.
	15 Darjeeling, " 15 "	0.31	Mostly foggy, chilly weather; snow fell in the adjacent hills, and a little rain in the station. Rain also fell in the Terai of this district. The minor crops throughout the district are doing well. There are no crops of importance on the ground at present.
<b>RAJSHAHY AND COOCH BEHAR DIVN.</b>	16 Julpigoree, " 16 "	0.21	Rain having fallen, the weather is once more cool and pleasant. The <i>haimunti</i> rice crop has been fairly good. Land is now being prepared for <i>bhadoi dhan</i> . Tobacco promises well. Sugarcane is being cut; the crop is not particularly good.
	Cooch Behar, " 14 "	0.67 Mata-bhanga 0.43	The first part of the week was rather warm, but since the 11th instant the weather has become cool and pleasant. The rain which fell on the 11th and 12th has done much good to tobacco, <i>cheeni</i> , <i>kapa</i> , wheat, barley, and other cold-weather crops, and there is now every prospect of a good harvest. Mustard is being gathered in many places. Lands are being ploughed for <i>bitree dhan</i> , and the late fall of rain is very seasonable for this crop. Public health continues good.

No.	District, and date of return.	Rainfall at Sudder Station in inches	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
Eastern Districts.			
Dacca Div.	17 Dacca, Feb. 16 '78	0 06. Moon- shee- gunge 1 10	Weather—very much cooler since the rain. Rain has done good, but more is required.
	18 Furreedpore, „ 16 „	0 23 Madari- pore. 0 87.	There was slight rain in the early part of the week, since when the weather has been cooler. Some benefit has been afforded by the rain, but more is required. There was a fall of hail in Madaripore, but it is not reported that much damage has been done. The general prospects of the crops are fair.
	19 Backergunge, „ 14 „	0 8	All is well, but there is a little sporadic sickness.
	20 Mymensingh, „ 15 „	1 44	Weather—seasonable. There was a storm with a heavy fall of rain and hailstone on the 12th instant. State and prospects of the crops are favourable. The rain has done much good to the crops.
	21 Tipperah, „ 15 „	0 70 Brah- munbaria sub-divn. 0 19	Storm of wind and rain on the 12th instant. During the rest of the week the weather was cloudy on one or two days and fine on the other days. Prospects of <i>boro dhan</i> are good. <i>Kalai</i> is yielding a good outturn. The outturn of mustard is below the average.
Chittagong Div.	22 Chittagong, „ 14 „	0 25	Weather—cloudy and hot till 12th instant, when there was a slight sprinkling in the morning and a smart shower in the night. South wind blew from 10th to 12th; it is now northerly again. The cold-weather crops are doing well. Price of rice is from 11 to 13 seers per rupee; in the south it is from 12 to 16 seers.
	23 Noakholly, „ 14 „	0 7	Weather—unusually warm until the evening of the 12th instant, when there were thunderstorm and rain. Pulses, chillies, &c., are progressing favourably. The stubbles are being ploughed in or burnt up and ploughed in. Ploughing for the early rice crop is going on actively everywhere. Public health is good.
	24 Chittagong Hill Tracts, „ 12 „	0 2	Weather—seasonable. Cloudy, and slight fall of rain on the 12th instant. The hillmen are busily engaged in cutting jungle for jooming. Tobacco is not favorably reported of, owing to want of rain.
	Hill Tipperah, „ 13 „	0 47	Weather—cloudy and unsettled for the greater part of the week. Slight rain on the 12th. No change in the state and prospects of the crops since last report.
BEHAR.			
Patna Div.	25 Patna, Feb. 16 '78	0 35	Weather—seasonably cold. Prospects of the crops are good. Health is good.
	26 Gaya, „ 16 „	0 21 Aurun- gabad. 0 13 Nowada 0 42	Weather cooler since the rain, with high wind prevailing. Maximum thermometer in the shade 84.5°. Insects continue to do damage in parts of the district. Reaping of <i>kurthi</i> , <i>kerai</i> , mustard and <i>masoor</i> has commenced, and sugarcane is being planted. Prices continue to rule high, and jungle produce is in parts being consumed as food.
	27 Shahabad, „ 16 „	0 07	Weather—at present fine, with west winds. A slight thunder-shower in Arrah on the 11th. 2) at Buxar on the 12th. Slight showers at Bhabooah on the 11th. The crops in Bhabooah are flourishing, except those sown early, which have been injured by frost. Poppy is good everywhere, but it is late. Prices are rising in Bhabooah. No return from Sasseram.
	28 Durbhunga, „ 16 „	0 11	Weather—warm and seasonable. No change in the state and prospects of the crops since last report.
	29 Mozufferpore, „ 16 „	0 12	Weather—fine and cool. Owing to the good prospects of the <i>rubbee</i> , the prices of food-grains in the sudder Sub-division have fallen a little. In the Hajepore sub-division the <i>rubbee</i> is doing well. In the Seetamurhee sub-division there was heavy fall of rain on the 11th, which has done some harm to <i>rahur</i> , <i>khasari</i> , &c. Some hail fall also has been reported from the south of Seetamurhee.
	30 Saran, „ 16 „	0 10 Sewan 0 19, Gopal- gunge 0 58.	Weather—cloudy at the beginning of the week; the last part clear, and sun gradually getting hot. High cold west wind during the day. There has been slight rain in most parts of the district on the 10th and 11th instant, and a regular downpour at Gopalgunge. The prospects of the <i>rubbee</i> crops continue favourable. The Sub-divisional Officer of Gopalgunge has reported that throughout his sub-division there is every prospect of an average harvest. In many places considerable damage has been done to the poppy plant by <i>Moorka</i> : about 1,000 beghas of plant have been destroyed, which would have yielded about 120 maunds of opium. The Sub-Deputy Opium Agents have been asked to report further regarding the damage done to the poppy crop. The Manager of the Hutwa Raj Estate, who has just come in from camp, reports very favourably of the crops in that part of the district, in which, but for the winter rains, severe distress might have been looked for. The prospects of sugarcane and indigo have improved owing to the late rainfall.
	31 Chumparan, „ 16 „	0 25	The sky is overcast. Weather is becoming warmer during the day. The slight shower of rain on the 10th instant has largely benefitted the <i>rubbee</i> and poppy crops, in consequence of which the prices of food-grains have been lowered a little.

No.	District, and date of return.		Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR—(Continued.)				
BHAGULPORE DIVISION.	82	Monghyr, " 16 "	0.25 Begoo- serei 1.11	West winds prevailing. Nights are cool. State and prospects of the crops are good.
	83	Bhagulpore, " 16 "	0.68	Weather—stormy on the night of the 11th and morning of the 12th; since then it has been cold and dry, with heavy dews at night. The rain has done much good to the standing <i>rubbee</i> crops, but some damage to the mango crop is anticipated. Prices have a downward tendency. Health is good.
	84	Purneah, " 16 "	0.58 Kissen- gunge 0.33, Arrareah 0.21	West wind prevailing, but weather cool. There has been rain all over the district. It was heavy, attended with hail in the southern and eastern parts. It has been very beneficial for the ploughing and sowing. The tobacco crop in Arrareah is said to be good
	85	Maldah, " 16 "	0.56	In the first part of the week there was fall of rain in several places, and in some the fall was attended with hailstones. The weather since is very fair. The wheat, barley, <i>moong</i> , and <i>mutter</i> plants are thriving, though in some places they have been partially injured by the late fall of hailstones. The <i>boro</i> is under transplantation. Public health is still improving.
	86	Sonthal Pergahs., " 17 "	0.12	Weather—colder, and more windy. *Rain and hail have been reported from Godda and Rajmahal. The hail has done some mischief.
ORISSA.				
ORISSA DIVN.	37	Cuttack, Feb. 16 '78	Nil	Weather—fine, and less warm than last week. The reaping of <i>sarad</i> crop is over. <i>Dalua</i> crop is in ear in some places. Public health is on the whole good.
	38	Pooree, " 14 "	Nil	Weather—warm for the season. <i>Sarad</i> rice is being harvested. <i>Dalua</i> rice is progressing well in the low lying lands. <i>Moong</i> and <i>kalai</i> promise well. <i>Kulthi</i> is being harvested, but the outturn is not a good one for want of rain. There was a shower of rain on the 6th instant in the tracts between the Chilka and the sea, which has done good to the <i>mandia</i> crop. Prospects are better now in that part of the country, owing to the numerous tanks which have been dug and deepened. Common rice is selling at 15½ to 21 seers for the rupee, but in the salt tracts the rates are 11½ to 13½ seers. Export of rice to the Madras Presidency continues. Public health is good.
	39	Balasore, " 15 "	0.06	Weather—at present fine. The condition of the crops is satisfactory. Fever in the north has abated. Sporadic cholera still exists.
CHOTA NAGPORE.				
South-West Frontier Agency.				
	40	Hazareebagh, Feb. 15 '78	0.32	Weather—cooler again after the rain. The rain, which was accompanied by a little hail, is reported to have damaged the prospects of the <i>mohwa</i> and mango crops.
	41	Lohardugga, " 16 "	0.05	Weather—seasonable. The outturn of the <i>rubber</i> crops has not been so good as usual in the Sudder sub-division, and in the Palamow sub-division it is reported to be considerably below the average.
	42	Singhbhoon, " 15 "	Nil	Weather—seasonable. Nothing to report about the crops. The district is healthy.
	43	Manbhoom, " 16 "	0.40	Weather—seasonable. Bad accounts have been received of the condition of the people in the west of the district. There can be no doubt of the badness of the season. In the north-west and west of the district the <i>mohwa</i> harvest, if plentiful, will do much to avert distress.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 19th February 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.



## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																			
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLER— CUMBOO, RAJRA.							
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL.																					
Western Districts.																					
			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	
1	Burdwan	...	A	11 12	11 8	18 0	25 0	25 0	27 8	13 14	15 12	19 3	14 2	16 8	21 0	...	...	...	...	...	
2	Bankoora	...	B	13 4	13 4	15 0	22 0	22 0	22 0	15 0	15 8	24 0	17 8	17 0	26 0	...	...	...	...	...	
3	Beerbhoom	...	C	11 0	13 0	15 0	20 0	20 0	...	12 0	12 0	16 8	13 8	13 8	22 0	...	...	...	...	...	
4	Midnapore	...		12 0	13 0	17 0	...	...	...	13 0	13 0	20 0	17 0	18 0	24 0	...	...	...	...	...	
6	Hooghly	...	D	12 8	13 0	17 0	...	...	...	10 0	10 0	{ 11 0 to 11 8 }	{ 13 0 13 0 }	{ 16 0 to 17 0 }	{ ... }	...	...	...	...	...	
	Howrah	...		13 8	13 0	14 0	...	...	...	11 0	11 0	11 0	14 0	15 0	16 0	...	...	...	...	...	
Central Districts.																					
	Calcutta	...		12 4	12 8	14 8	16 0	16 0	25 0	7 0	7 0	9 0	12 0	11 8	14 8	...	...	...	...	...	
6	24-Pergunnahs*	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Nuddea	...		12 5	13 5	16 0	30 8	30 8	...	11 7	...	14 8	12 5	12 5	16 0	...	...	...	...	...	
8	Jessore	...	E	11 8	11 8	13 8	...	...	...	11 8	11 0	15 0	14 8	15 8	20 0	...	...	...	...	...	
9	Moorshedabad	...	F	14 8	15 0	17 8	25 0	33 8	35 0	{ 10 0 to 13 0 }	{ 10 0 to 13 0 }	17 0	{ 13 8 to 15 0 }	{ 14 0 to 15 0 }	{ 20 0 }	...	...	...	...	...	
10	Dinapore	...	G	12 0	12 0	11 0	11 8	11 6	18 0	16 12	16 0	20 0	19 0	21 8	28 0	...	...	...	...	...	
11	Rajshahye	...	H	15 0	12 0	{ 13 8 to 15 0 }	{ 37 8 32 0 }	21 0	{ 9 0 to 14 0 }	{ 12 0 to 13 8 }	{ 17 4 to 18 0 }	{ 15 0 to 16 0 }	{ 14 4 to 16 0 }	{ 19 11 to 22 8 }	{ ... }	...	...	...	...	...	
12	Rungpore	...	I	15 0	15 13	22 8	...	...	...	12 12	11 12	15 0	22 8	22 8	19 15	...	...	...	...	...	
13	Bogra	...		9 12	9 12	17 8	...	...	...	12 0	15 0	20 0	19 2	19 8	31 0	...	...	...	...	...	
14	Pahna	...	J	13 4	{ 13 0 to 16 0 }	15 0	...	...	...	8 0	8 0	12 0	15 0	16 0	23 4	...	...	...	...	...	
15	Darjeeling*	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
16	Julporee	...	K	10 0	10 0	8 0	...	...	...	13 0	13 0	16 0	16 0	16 0	20 0	...	...	...	...	...	
Eastern Districts.																					
17	Dacca	...	L	12 4	12 4	14 4	32 0	32 0	12 8	12 4	12 4	17 8	15 3	10 0	22 0	...	...	...	...	...	
18	Furreedpore	...	M	15 0	15 0	22 0	...	...	30 0	8 0	8 0	10 0	14 0	15 0	19 0	...	...	...	...	...	
19	Backergunge*	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
20	Mymensingh	...	N	10 0	10 0	14 0	...	...	...	13 8	14 0	20 0	15 0	15 12	26 0	...	...	...	...	...	

\* Returns not received.

- A In the interior the prices range as follow:—Wheat 12½ to 16½ seers, barley 30 to 35 seers, best rice 13 to 15½ seers, common rice 14 to 16½ seers, and gram 12½ to 21 seers.
- B In the interior the prices range as follow:—Wheat 12 to 16 seers, barley 20 to 36 seers, best rice 12½ to 18 seers, common rice 15 to 20 seers, innize or Indian-corn 20 to 39 seers, and gram 12 to 16 seers.
- C In the interior the prices range as follow:—Wheat 11 to 16 seers, best rice 13 to 17 seers, common rice 14 to 18 seers, and gram 13 to 20 seers.
- D In the interior the prices range as follow:—Wheat 12 to 13 seers, barley 22 to 32 seers, best rice 7 to 11 seers, common rice 12 to 13½ seers, and gram 12½ to 17 seers.
- E In the interior the prices range as follow:—Wheat 8 to 13½ seers, best rice 10 to 14 seers, common rice 13 to 15 seers, and gram 11½ to 16 seers.

## undermentioned Districts of Bengal for the Fortnight ending 15th February 1878.

## THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	BENGAL.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Western Districts.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bardwan.
...	...	...	...	...	...	32 0	32 0	37 0	13 4	13 4	17 0	440 0	440 0	440 0	8 8	8 8	8 12	Bankoora.
...	...	...	...	...	...	30 0	30 0	...	16 0	16 8	15 0	200 0	200 0	200 0	8 8	8 8	8 8	Beerbhoom.
...	...	...	...	...	...	...	...	...	16 0	16 0	17 0	180 0	187 0	200 0	9 0	8 8	9 0	Midnapore.
...	...	...	...	...	...	...	...	...	14 8 to 15 0	15 0	16 0 to 17 0	120 0	120 0	120 0	9 0	9 0	9 0	Hooghly.
...	...	...	...	...	...	...	...	...	15 0	14 0	19 0	100 0	100 0	120 0	9 8	9 8	10 0	Howrah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Central Districts.
12 0	13 5	17 8	...	...	...	10 8	10 8	26 0	16 0	16 0	17 8	100 0	100 0	100 0	8 0	8 0	8 0	Calcutta.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24-Pergunnahs.*
...	...	...	...	...	...	...	...	...	17 4	20 0	24 0	120 0	100 0	100 0	8 14	8 14	9 2½	Nuddea.
...	...	...	...	...	...	...	...	...	16 0	16 0	19 11	110 0	110 0	120 0	8 0	8 0	8 0	Jessore.
...	...	...	...	...	...	...	...	...	20 0 to 20 12	20 0 to 20 12	22 0	120 0	120 0	120 0	7 0 to 9 0	7 0 to 9 0	9 0	Moorshedabad.
...	...	...	...	...	...	...	...	...	14 0	18 10	13 0	180 0	180 0	180 0	8 0	7 12	8 4	Dinapore.
...	...	...	...	...	...	...	...	24 0	17 8	12 0 to 18 0	15 0 to 16 8	240 0	200 0	320 0	8 10	8 5½	9 0	Rajshahye.
...	...	...	...	...	...	...	...	...	12 12	13 8½	12 13	107 0	107 0	107 0	7 8	8 1	7 8	Rungpore.
...	...	...	...	...	...	...	...	...	12 0	12 0	18 0	67 8	67 8	67 8	8 4	8 4	8 4	Bogra.
...	...	...	...	...	...	...	...	...	13 0 to 18 12	13 0 to 18 12	12 0	200 0	200 0	200 0	8 8	8 8	9 0	Pubna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.*
...	...	...	...	...	...	...	...	...	10 0	8 0	10 0	80 0	80 0	160 0	7 2	7 2	7 0	Julpigoree.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Eastern Districts.
...	...	...	...	...	...	...	...	...	14 8	13 5	14 8	80 0	80 0	97 0	9 0	9 0	9 0	Dacca.
...	...	...	...	...	...	...	...	...	14 0	14 0	16 0	...	...	...	9 0	9 0	9 0	Furzedpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Backergunge.*
...	...	...	...	...	...	...	...	...	12 8	12 8	14 0	...	...	...	9 0	9 0	8 14	Mymensingh.

F In the interior the prices range as follow :—Wheat 14 to 15½ seers, barley 27 to 36 seers, best rice 10 to 14½ seers, common rice 15 to 16 seers, and gram 17½ to 20 seers.

G In Roygunge the prices are—Wheat 15 seers, best rice 16½ seers, common rice 18½ seers, and gram 20 seers.

H In Nattore the prices are—Wheat 18½ seers, best rice 10½ seers, common rice 16½ seers, and gram 15½ seers.

I In the interior the prices range as follow :—Wheat 18 to 20 seers, best rice 10 to 16½ seers, common rice 18 to 20 seers, and gram 8 to 15 seers.

J In Serajgunge the prices are—Wheat 12 seers, best rice 8 seers, common rice 13½ seers, and gram 12 seers.

K In the interior the prices range as follow :—Best rice 6 to 11½ seers, common rice 10 to 17 seers, and gram 8 to 11 seers.

L In the interior the prices range as follow :—Best rice 10 to 18 seers, common rice 13 to 19 seers, and gram 13½ to 18 seers.

M In the interior the prices range as follow :—Best rice 10 to 12½ seers, common rice 14 to 16 seers, and gram 12½ to 13 seers.

N In the interior the prices range as follow :—Wheat 10½ to 14 seers, best rice 7 to 16 seers, common rice 12½ to 18 seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts—(Contd.)																
31	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Noakholly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33	Tipperah	...	...	10 8	11 0	12 0	...	...	...	12 8	12 8	14 0	15 0	15 8	23 0	...
34	Chittagong Hill Tracts.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR.																
35	Patna	...	...	15 0	15 0	9 0	20 0	19 0	34 0	10 0	10 0	10 0	15 0	15 0	22 0	...
36	Gya	...	...	15 0	14 8	18 0	21 0	20 0	31 0	9 0	9 0	13 0	13 8	13 8	23 0	...
37	Shahabad	...	...	{ 13 0 to 14 0	{ 13 8 to 14 8	{ 16 0 to 17 0	{ 18 8 to 19 0	{ 18 0 to 19 0	{ 28 0 to 29 0	{ 11 0 to 12 0	{ 11 12 to 12 0	{ 17 0 to 18 0	{ 13 0 to 14 0	{ 13 0 to 14 0	{ 19 0 to 20 0	...
38	Durbhuanga	...	...	14 4	15 4	16 8	22 0	23 0	35 8	11 8	11 0	16 8	14 4	13 8	20 12	...
39	Mozufferpore	...	...	13 0	13 0	15 0	...	...	...	8 0	8 0	11 0	13 0	12 0	19 0	...
40	Saran	...	...	12 0	12 0	18 0	18 8	18 0	31 0	7 12	7 12	11 0	11 12	11 0	19 0	...
41	Chumpanun	...	...	14 0	14 0	14 0	21 0	21 0	...	9 0	9 0	9 0	12 0	12 8	21 0	...
42	Monghyr	...	...	14 7	13 6	15 7	18 9	23 1	36 7	8 4	9 4	16 8	12 6	12 6	31 0	...
43	Bhagulpore	...	...	13 4	12 10	16 5	20 3	20 3	18 15	11 6	11 6	20 3	13 14	13 14	23 1	...
44	Furneah	...	...	{ 14 0 to 18 0	{ 14 0 to 17 0	{ 14 0 to 14 0	...	...	...	{ 14 0 to 15 0	{ 14 0 to 14 0	{ 17 0 to 17 0	{ 15 0 to 17 0	{ 15 0 to 17 0	{ 28 0 to 28 0	...
45	Maldah	...	...	14 4	14 0	14 0	32 0	32 0	10 0	16 0	15 0	22 0	18 8	18 0	26 0	25 0
46	Sonthal Pergunnahs	...	...	19 0	10 0	13 0	...	...	...	12 0	12 0	18 0	13 0	13 0	22 0	...
ORISSA.																
37	Cuttack	...	...	8 2	8 8	15 12	...	...	...	9 3	9 3	13 2	13 2	13 2	18 0	...
38	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Balasore	...	...	14 0	14 0	16 0	...	...	...	14 0	14 0	16 0	16 0	16 0	20 0	...
CHOTA NAGPORE.																
South-Western Frontier Agency.																
40	Hazareebagh	...	...	13 0	13 8	13 8	...	22 0	...	9 8	9 8	13 0	13 8	14 8	21 0	...
41	Lohardugga	...	...	10 0	11 0	15 0	18 0	18 0	29 0	13 0	14 0	23 0	16 0	17 0	32 0	...
42	Singbhoom	...	...	16 0	19 0	26 0	36 0	36 0	32 0	16 0	16 0	20 0	22 0	22 0	40 0	...
43	Manbhoom	...	...	11 0	11 0	15 0	32 0	32 0	32 0	14 0	14 0	18 0	17 0	17 0	30 0	...

\* Returns not received.

† In the interior the price of common rice ranges from 19 to 23 seers.

O In the interior the prices range as follow:—Wheat 12½ to 15 seers, barley 18 to 18½ seers, best rice (at Jehanabad) 9 seers, common rice 11½ to 14 seers, and gram 16 to 18½ seers.

P In the interior the prices range as follow:—Wheat 10 to 13 seers, barley 14 to 17 seers, best rice 8 seers, common rice 9½ to 11½ seers, and gram 13½ to 16 seers.

Q In Mudhoobani the prices are as follow:—Wheat 15 seers, barley 24 seers, best rice 16 seers, common rice 16½ seers, murwa 24 seers, maize or Indian-corn 22 seers, and gram 16 seers.

R In the interior the prices range as follow:—Wheat 12 to 22½ seers, barley 20 to 30 seers, best rice 8 to 16½ seers, common rice 11½ to 18½ seers, lesser millets 19½ to 25 seers, maize or Indian corn 16 to 25 seers, and gram 15 to 25 seers.

S In the interior the prices range as follow:—Wheat 14 to 16½ seers, barley 20 to 22 seers, best rice 8½ to 11½ seers, common rice 11½ to 18½ seers, lesser millets 21 to 22 seers, maize or Indian-corn 18½ to 20 seers, and gram 18 to 20 seers.

CALCUTTA,  
The 19th February 1878.

mentioned Districts of Bengal for the Fortnight ending 15th February 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHRENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
Eastern Districts—(Contd.)																		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakholly.*
...	...	...	...	...	...	...	...	...	13 8	12 0	13 0	...	...	...	8 8	8 8	8 12	Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.*
BEHAR.																		
...	...	31 0	...	...	...	19 0	19 0	40 0	18 0	18 0	23 0	150 0	150 0	140 0	8 0	8 0	8 0	Patna.
...	...	...	17 0	...	...	16 8	18 0	36 8	17 8	17 8	18 8	160 0	160 0	160 0	8 0	8 0	9 0	Gya.
17 0	16 0	25 0	17 8	18 0	25 0	...	...	30 0	17 8	18 0	22 0	180 0	160 0	180 0	9 0	8 12	8 8	Shahabad.
...	...	...	20 12	18 8	33 0	19 8	18 8	33 0	15 4	16 8	18 12	187 0	176 0	176 0	8 0	8 0	8 12	Durbhanga.
...	...	...	...	...	...	19 0	19 0	39 0	15 0	15 0	18 0	160 0	160 0	140 0	8 0	8 0	8 8	Muzafferpoore.
16 8	16 0	30 0	18 0	18 0	30 0	16 8	16 8	29 12	16 0	16 0	22 0	160 0	160 0	160 0	8 0	8 0	8 0	Saran.
...	...	...	...	...	...	18 0	18 0	40 0	17 0	17 0	21 0	...	...	...	7 0	7 0	7 8	Chumparun.
...	...	...	...	...	...	15 7	16 8	33 6	16 8	18 9	21 0	126 0	126 0	126 0	8 4	8 4	8 4	Monghyr.
...	...	...	...	...	...	18 16	17 11	31 0	17 11	17 11	18 15	151 9	151 9	151 9	8 3	8 3	8 13	Bhagulpore.
...	...	...	...	...	...	...	...	...	14 0 to 16 0	15 0 to 17 0	14 0 to 18 0	160 0	160 0	160 0	6 0	8 0	8 0	Purneah.
...	...	...	...	...	...	20 0	25 0	45 0	17 0	18 0	16 0	120 0	60 0	120 0	9 0	8 4	8 4	Maldah.
...	...	...	...	...	...	16 0	...	40 0	14 0	15 0	13 0	200 0	200 0	200 0	8 0	8 0	8 0	Sonthal Pergas.
ORISSA.																		
...	...	...	17 1	14 7	21 0	...	...	...	18 6	17 8	18 6	200 0	200 0	200 0	11 0	10 0	13 0	Cuttack.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	...	...	...	...	...	...	13 4	13 0	12 0	120 0	120 0	90 0	8 7	8 7	9 0	Balasore.
CHOTA NAGPORE.																		
South-Western Frontier Agency.																		
...	...	...	...	...	36 0	...	17 0	33 0	16 8	17 0	16 0	240 0	240 0	200 0	8 0	8 0	8 0	Hazareebagh.
...	...	...	30 0	30 0	44 0	...	28 0	...	14 0	18 0	16 0	180 0	160 0	180 0	7 0	7 0	7 0	Lohardugga.
...	...	...	...	...	...	...	...	...	20 0	24 0	24 0	320 0	320 0	320 0	6 8	6 8	6 8	Singbhoom.
...	...	...	64 0	64 0	64 0	40 0	40 0	40 0	15 0	15 0	15 0	160 0	160 0	120 0	8 0	8 0	8 0	Manbhoom.

T In the interior the prices range as follow:—Wheat 14 to 20 seers, barley (at Banka) 20 seers, best rice 15 seers, common rice 16½ to 18 seers, murwa (at Mudehpore) 27½ seers, maize or Indian-corn (at Banka) 23 seers, and gram (at Banka) 16 seers.

U In the interior the prices range as follow:—Wheat 14 to 20 seers, best rice 14 to 16 seers, common rice 16 to 18 seers, and gram 12 to 16 seers.

V In the interior the prices range as follow:—Wheat 13½ to 14 seers, barley 20 to 22 seers, best rice 13 to 16½ seers, common rice 14 to 17 seers, maize or Indian-corn 17½ to 20 seers, and gram 16 to 17 seers.

W In the interior the prices range as follow:—Wheat 13 to 14 seers, barley 20 seers, best rice 9½ seers, common rice 13 seers, lesser millets 20 seers, maize or Indian-corn 15 to 16 seers, and gram 15 to 16 seers.

X At Daltongunge the prices food-grains on the 12th instant were:—Wheat 17 seers, best rice 11½ seers, common rice 13½ seers, and makai 18½ seers; (at Lohardugga) the prices on the 13th idem were,—wheat 16 seers, best rice 13 seers, and common rice 18 seers.

Y In the interior the prices range as follow:—Wheat 10 to 16 seers, best rice 14 to 18 seers, common rice 15 to 22 seers, maize or Indian-corn 40 seers, and gram 12 to 16 seers.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO BAJRA.		
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 4 0	3 3 0	...	2 8 0	2 8 0	...	5 8 0	5 8 0	...	3 5 0	3 6 0	...	...	...	...
2	Serajgunge ...	3 0 0	3 8 0	...	...	...	...	4 8 0	5 0 0	...	2 10 0	2 10 0	...	...	...	...
3	Dacca ...	3 3 0	3 3 0	...	1 2 0	1 2 0	...	3 3 0	3 3 0	...	2 8 0	2 6 0	...	...	...	...
4	Naraingunge...	...	...	...	...	...	...	2 15 0	2 13 0	...	2 12 0	2 11 0	...	...	...	...
5	Obittagong*...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	2 10 9	2 10 9	...	2 0 0	1 14 3	...	4 0 0	4 0 0	...	2 10 9	2 10 9	...	...	...	...
7	Balasore ...	2 15 0	2 14 0	...	...	...	...	2 13 0	2 13 0	...	2 8 0	2 8 0	...	...	...	...
8	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	4 12 0	4 8 0	...	...	...	...	4 2 0	4 2 0	...	2 13 0	2 13 0	...	...	...	...

\* Returns not received.

CALCUTTA,  
The 19th February 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 1<sup>st</sup> February 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHRENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 5 0	3 0 0	...	...	...	...	3 12 0	3 12 0	...	2 8 0	2 11 0	...	0 7 0	0 7 0	...	4 0 0	4 0 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	2 8 0	3 0 0	...	...	...	...	4 6 0	4 8 0	...	Serajgunge.
...	...	...	...	...	...	...	...	...	3 2 0	3 1 0	...	0 6 0	0 6 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	2 15 0	2 14 0	...	0 9 0	0 10 0	...	4 4 3	4 4 3	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	1 14 3	3 14 3	...	2 3 6	3 3 6	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	3 12 0	3 12 0	...	0 5 6	0 5 6	...	4 12 0	4 12 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Poorce.
...	...	...	2 4 0	2 0 0	...	...	...	...	2 0 0	2 4 0	...	0 3 0	0 3 0	...	3 8 0	3 12 0	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

**Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.**

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 27th Jan. to 2nd Feb. 1878.		Rain from 3rd to 9th Feb. 1878.		RAIN FROM 1ST JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.	Inches.	Up to date.		
BENGAL.	WESTERN DISTRICTS.	Burdwan ...	0.23	0.01	0.27	9th Feb.				
		Cutwa ...	0.08	Nil	0.11	ditto				
		Culna ...	0.10	ditto	0.10	ditto				
		Bood-Bood ...	0.20	ditto	0.26	ditto				
		Raneegunge ...	0.30	ditto	0.39	ditto				
		Jehanabad ...	0.67	0.07	0.99	ditto				
		Bankoora ...	0.05	0.80	1.87	ditto				
		Beerbhoom ...	Sooree ...	0.29	Nil	0.40	ditto			
		Hetampore ...	0.08	ditto	0.08	ditto				
		Royপুর ...	0.20	ditto	0.20	ditto				
Burdwan.	MIDNAPORE ...	Midnapore ...	Not recd.	0.28	1.68	ditto		Not received 27th Jan. to 2nd Feb.		
		Tumlook ...	Nil	Nil	1.05	ditto				
		Ghattal ...	0.10	0.45	2.10	ditto				
		Contai... { Dy. Collr.'s Office...	Nil	Nil	0.35	ditto				
		Hooghly ...	ditto	Not recd.	0.47	2nd Feb.				
		Seraimpore ...	0.17	Nil	0.17	9th			Not received 13th to 19th Jan. Ditto ditto.	
		Howrah ...	0.08	ditto	0.91	ditto				
		Howrah ...	0.08	ditto	1.71	ditto				
		Maheshreka ...	0.10	ditto	2.61	ditto				
		CENTRAL DISTRICTS.	24-Pergunnahs ...	Saugor Island ...	Nil	0.10	0.60	ditto		
Calcutta ...	0.02			0.02	0.04	ditto				
Alipore ... { Dispensary	0.08			0.02	2.90	ditto				
... { Jail	Nil			0.05	2.83	ditto				
Busseerhat ...	ditto			Nil	0.82	ditto				
Baraset ...	0.13			ditto	0.52	ditto				
Diamond Harbour ...	Nil			ditto	1.11	ditto				
Buripore ...	Not recd.			ditto	1.37	ditto			Not received 27th Jan to 2nd Feb.	
Sutkhira ...	Nil			ditto	1.14	ditto				
Barrackpore ...	0.07			ditto	0.10	ditto				
PRESIDENCY.	Nuddea ...	Dum-Dum ...	0.04	0.08	1.35	ditto				
		Kishnaghur ...	0.09	Nil	0.09	ditto				
		Bongong ...	0.17	ditto	0.17	ditto				
		Meherpore ...	Nil	ditto	Nil	ditto				
		Chooaulga ...	ditto	ditto	0.65	ditto				
		Kooshtea ...	0.11	ditto	0.21	ditto				
		Ranazhat ...	0.13	ditto	0.13	ditto				
		Jessore ...	0.12	ditto	0.69	ditto				
		Narail ...	0.06	ditto	0.47	ditto				
		Khoolna ...	Nil	ditto	0.98	ditto				
Jessore ...	Moorsheadabad ...	Jhenda ...	0.04	ditto	0.54	ditto				
		Bagnhat ...	Nil	0.10	0.20	ditto				
		Magoorah ...	0.04	Nil	0.79	ditto				
		Berhampore ...	0.20	ditto	0.29	ditto				
		Rampore Haut ...	Nil	ditto	0.14	ditto				
		Lallbigh ...	ditto	ditto	Nil	ditto				
		Jungypore ...	ditto	ditto	0.17	ditto				
		Azimgunge ...	0.53	ditto	0.53	ditto				
		Lallgolla ...	Nil	ditto	0.10	ditto				
		Kandee ...	0.37	ditto	0.37	ditto				
RAJSHAHY.	Dinapore ...	Dinapore ...	0.59	ditto	0.69	ditto				
		Ragunge ...	0.80	ditto	0.60	ditto				
		Maldah ...	1.42	ditto	1.42	ditto				
		Chanchal ...	0.80	ditto	0.80	ditto				
		Barleah ...	0.02	ditto	0.02	ditto				
		Nattore ...	Nil	ditto	Nil	ditto				
		Rungpore ...	ditto	ditto	ditto	ditto				
		Bhubanigunge ...	ditto	ditto	ditto	ditto				
		Kumgram ...	ditto	ditto	ditto	ditto				
		Bagdogra ...	0.37	ditto	0.37	ditto				
Bogra ...	Pubna ...	Bogra ...	0.16	ditto	0.16	ditto				
		Sherpora ...	0.11	ditto	0.11	ditto				
		Nowkhilla ...	0.12	ditto	0.12	ditto				
		Panchabibi ...	0.74	ditto	0.74	ditto				
		Hailulya ...	Not recd.	ditto	Nil	ditto			Not received 27th Jan. to 2nd Feb.	
		Pubna ...	0.04	ditto	0.07	ditto				
		Seragunge ...	0.03	ditto	0.13	ditto				
		Darjeeling ... { Telegraph Office	0.40	ditto	0.77	ditto				
		... { Hospital	0.30	ditto	0.67	ditto				
		COCH BEHAR.	Julpigoree ...	Julpigoree ...	0.13	ditto	0.13	ditto		
Bedah ...	Nil			ditto	Nil	ditto				
Buxa—Civil Surgeon's Office	0.20			ditto	0.53	ditto				
Titalya ...	0.22			ditto	0.22	ditto				
Cooch Behar	0.09			ditto	0.09	ditto				
Cooch Behar Tributary States.										

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 27th Jan to 2nd Feb. 1878.	Rain from 3rd Feb. to 9th Feb. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL—continued.							
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.		
		Dacca... { Telegraph Office... Nil ditto 0.48 9th Feb.					
		Hospital ... ditto ditto 0.73 ditto					
		Moonahceegunge ... ditto ditto 0.88 ditto					
		Manickgunge ... ditto ditto 0.33 ditto					
		Furzedpore ... { Furzedpore ... 0.03 ditto 0.03 ditto					
		Goalundo ... Nil ditto 0.78 ditto					
		Madaripore ... ditto ditto 0.62 ditto					
		Backergunge ... { Burrisal ... ditto ditto 0.63 ditto					
		Perozepore ... ditto ditto 0.55 ditto					
		Patookhally ... ditto 0.04 ditto					
		Bhola ... ditto Nil 0.38 ditto					
		Mymensingh ... { Mymensingh ... ditto ditto Nil ditto					
		Jamalpore ... ditto ditto ditto ditto					
		Atia ... ditto ditto ditto ditto					
		Kishoregunge ... ditto ditto 0.80 ditto					
		Chittagong ... { Chittagong { Telegraph Office ditto ditto Nil ditto					
		Jail ... ditto ditto 0.26 ditto					
Cox's Bazar ... ditto ditto Nil ditto							
Noakholly ... { Noakholly ... ditto ditto 1.19 ditto							
Fenny ... ditto ditto 2.48 ditto							
Tipperah ... { Comillah ... ditto ditto 0.90 ditto							
Brahmunbariah ... ditto ditto 1.43 ditto							
Chittagong Tracts. Hill Bungamatee Hill... ditto ditto 0.52 ditto							
Hill Tipperah ... ditto ditto 0.62 ditto							
BEHAR.							
PATNA.	BEHAR.	Patna ... { Patna ... 0.35 ditto 1.11 ditto					
		Behar ... 0.57 ditto 1.15 ditto					
		Barh ... 0.35 ditto 0.80 ditto					
		Dinapore ... { Jail 0.53 ditto 1.50 ditto					
		Cantonment... 0.53 ditto 1.50 ditto					
		Gya ... { Gya ... 0.02 ditto 0.85 ditto					
		Nowadah ... 0.29 ditto 1.71 ditto					
		Aurangabad ... Nil ditto 0.81 ditto					
		Jehanabad ... 0.33 ditto 2.11 ditto					
		Shahabad ... { Arrah ... 0.60 ditto 1.08 ditto					
		Sasseram ... Nil ditto 0.80 ditto					
		Buxar ... 0.48 ditto 2.50 ditto					
		Bhubooah ... Nil ditto 2.80 ditto					
		Mozufferpore ... { Mozufferpore ... 1.22 ditto 1.44 ditto					
		Hajepore ... 0.40 ditto 1.06 ditto					
		Sektamurhee ... Not recd. Not recd. 0.21 26th Jan.					
		Durbhunga ... { Durbhunga ... 0.33 Nil 0.03 9th Feb.					
		Mudhoobunnee ... 0.72 ditto 0.90 ditto					
		Tajpore ... 0.17 ditto 0.17 ditto					
Saran ... { Chupra ... 0.62 ditto 1.22 ditto							
Sewau ... 0.90 ditto 1.86 ditto							
Chumparun ... { Motiharee ... 0.58 ditto 0.78 ditto							
Bettiah ... 0.51 ditto 0.71 ditto							
Segowlie ... 0.64 ditto 0.64 ditto							
Monghyr ... { Monghyr ... 0.51 ditto 0.63 ditto							
Begooerai ... 0.79 ditto 0.92 ditto							
Jamooee ... 0.20 ditto 1.02 ditto							
Bhagulpore ... { Bhagulpore ... 1.20 ditto 1.41 ditto							
Soopool ... Nil ditto Nil ditto							
Muddehpooara ... ditto ditto 0.30 ditto							
Banka ... 1.17 ditto 1.37 ditto							
Sonbursa ... 0.40 ditto 0.40 ditto							
Purneah ... { Purneah ... 0.09 ditto 0.09 ditto							
Kiseengunge ... 0.48 ditto 0.48 ditto							
Arrareah ... 0.19 ditto 0.19 ditto							
Nya Doomka ... Nil ditto 0.37 ditto							
Rajmehal ... ditto ditto Nil ditto							
Sonthal Pergunnahs ... { Deoghar ... Not recd. Not recd. 0.58 26th Jan.							
Godda ... Nil Nil Nil 9th Feb.							



DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 27th Jan. to 2nd Feb. 1878.	Rain from 3rd Feb. to 9th Feb. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.		
			Inches.	Inches.	Inches.	Up to date.			
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	9th Feb.			
		... { Hospital	0.14	ditto	0.26	ditto			
		Jaipore	Nil	ditto	Nil	ditto			
		Kendraparah	ditto	ditto	0.30	ditto			
		Jagatsingapore	ditto	ditto	Nil	ditto			
		False Point	ditto	ditto	0.20	ditto			
		Pooree	Pooree	ditto	ditto	Nil		ditto	
			Khurdah	ditto	ditto	0.07		ditto	
		Balasore	Balasore...	0.18	0.06	0.71		ditto	
			Bhadrack	0.10	0.03	0.13		ditto	
	Jellapore		0.05	0.20	1.08	ditto			
	Sorah		0.08	Nil	0.08	ditto			
	Cuttack Tributary Mehals.	Chandbally	Nil	ditto	0.20	ditto			
		Sunbalpore	0.37	Not recd.	0.37	2nd Feb.			
	CHOTA NAGPORE.								
	SOUTH-WESTERN FRONTIER AGENCY.								
	Hazareebagh	Hazareebagh...	{ Jail	0.23	0.07	0.33		9th Feb.	
			{ Dispensary	0.24	Nil	0.27		ditto	
	Lohardugga	Pachamba		0.07	ditto	0.27		ditto	
	Singbhoom	Ranchee		0.48	0.30	0.78		ditto	
			Palamow	0.01	Nil	0.09		ditto	
	Manbhoom	Chyebassa		1.18	ditto	1.06		ditto	
	Manbhoom	Puruba		0.37	0.80	1.31		ditto	
			Gorindpore	0.54	Nil	0.03		ditto	
	ASSAM & ADJACENT HILLS.								
	Sylhet	Sylhet		Nil	ditto	0.10		ditto	
	Sibsagar	Sibsagar		0.04	Not recd.	0.42		2nd Feb.	
			Golaghat	Nil	ditto	0.07		ditto	
			Jorhat	ditto	ditto	0.01		ditto	
	Rajpootana	Akyab		ditto	Nil	Nil		9th Feb.	
			Alwar	ditto	ditto	ditto		ditto	
Jaipur			ditto	ditto	0.30	ditto			
	Sambar		ditto	ditto	0.10	ditto			

CALCUTTA,  
The 16th February 1878.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

Meteorological Telegraphic Report for the period 10th to 16th February 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	Feb. 10th	10	30.043	30.005	79.6	65.5	44	N E by N	7.5	.....		b
		16	29.907	29.920	85.2	65.8	31	W by N	9.3	.....	KC	c
	16th	10	30.098	30.120	79.2	64.7	42	E by S	1.5	.....		b
		16	29.915	29.907	86.2	67.3	33	S W by S	2.8	.....		b
	12th	10	29.948	29.970	79.5	75.1	80	N	4.8	0.07	PK, FK	c
		16	29.849	29.871	81.6	70.9	58	N N W	13.0	.....	K	c
	13th	10	30.122	30.144	74.3	59.5	40	N E	5.5	.....		b
		16	30.001	30.023	78.9	69.5	29	N by W	7.2	.....		b
	14th	10	30.161	30.183	72.1	60.0	46	E by N	4.0	.....		b
		16	30.013	30.035	74.7	62.2	34	S W by W	6.3	.....		b
	15th	10	30.104	30.126	73.8	66.5	66	S W by W	2.5	.....		b
		16	29.929	29.951	82.9	67.5	41	W by N	7.5	.....	K	c
	16th	10	30.052	30.074	75.0	65.0	54	W N W	3.8	.....		b
		16	29.914	29.936	83.1	66.7	20	W by N	5.7	.....		b
SAUGOR ISLAND.	Feb. 10th	10	30.044	30.050	81	69	52	N	10.9	.....		b, m
		16	29.909	29.915	88	70	37	N	13.2	.....	C	c, m
	11th	10	30.093	30.099	80	74	74	S	3.1	.....		c, m, f
		16	29.975	29.981	82	75	71	S	9.6	.....		b, m
	12th	10	29.968	29.974	81	77	83	S S W	13.5	.....	PK	c, m
		16	29.852	29.858	80	74	74	N N E	12.7	.....	P	c, r, t
	13th	10	30.116	30.122	75	68	68	N E	6.4	0.20	P	c, m
		16	29.990	29.996	81	65	38	N	8.9	.....		b, m
	14th	10	30.110	30.140	75	61	52	N E	7.2	.....	C	b, m
		16	30.025	30.031	79	67	51	S	6.6	.....		c, m
	15th	10	30.100	30.106	77	72	77	W N W	2.7	.....	K	b, m
		16	29.941	29.947	81	71	71	S	7.1	.....	K	b, m
	16th	10	30.055	30.061	75	73	90	N N W	9.5	.....	K	b, f
		16	29.912	29.918	86	66	30	S	4.8	.....		b, r
CHITTAGONG.	Feb. 10th	10	29.983	30.077	77	73	82	S S E	6.2	.....	PK, PC	c
		10	30.031	30.124	79	75	82	N N E	5.6	.....		b, c
	12th	10	29.956	30.050	73	70	86	N E	3.2	.....	P, CK	c
		10	30.028	30.123	72	70	80	N N E	6.7	.....	PK, CK	q
	14th	10	30.056	30.150	74	66	63	N N E	3.5	.....		b, r
		10	30.026	30.120	73	66	67	N E	4.8	.....		b, m
	16th	10	29.988	30.081	78	71	70	S S E	3.7	.....	CK, KP	c
ANYAB.	Feb. 10th	10	30.080	30.102	80	72	66	E N E	1.5	.....	C	c
		10	30.111	30.143	78	72	74	E	2.5	.....		b
	12th	10	30.048	30.070	76	73	86	S E	2.2	.....	C, K	c
		10	30.091	30.112	79	74	78	S	1.3	.....		b
	14th	10	30.104	30.120	81	69	52	N	1.9	.....		c
		10	30.115	30.137	76	64	49	N	4.1	.....		b
	16th	10	30.023	30.115	77	66	63	N E	2.7	.....		c
CUTTACK.	Feb. 10th	10	29.960	30.042	87	71	42	N N E	2.5	.....		c
		10	30.015	30.098	82	69	39	E N E	1.6	.....	C, CK	c
	12th	10	29.897	29.979	87	72	45	W N W	1.2	.....	C, CK	c
		10	30.016	30.123	80	64	37	E N E	3.1	.....		c
	14th	10	30.066	30.149	80	67	48	N E	1.6	.....	CK, C	c
		10	30.031	30.114	81	73	67	E S E	1.0	.....	CK, C	c
	16th	10	29.963	30.046	81	71	59	S W	2.4	.....	K	c
FALSE POINT.	Feb. 10th	10	30.052	30.067	86	74	91	N E	7.9	.....		b
		10	30.094	30.109	83	75	67	S E	3.3	.....		b
	12th	10	30.062	30.077	85	75	61	W	7.9	.....		b
		10	30.109	30.124	79	65	43	E N E	7.0	.....		c
	14th	10	30.132	30.147	79	68	54	N E	5.2	.....	CK	c
		10	30.109	30.124	82	73	63	S	2.0	.....	CK, PK	c
	16th	10	30.038	30.053	81	75	64	W S W	6.8	.....	CK, PK	c
VIZAGAPATAM.	Feb. 10th	10	30.029	30.061	84	68	40	W by N	1.7	.....		b
		10	30.070	30.101	87	73	49	W S W	1.7	.....		b
	12th	10	30.011	30.042	87	68	34	W	4.4	.....		b
		10	30.078	30.110	83	71	53	E N E	2.7	.....		b
	14th	10	30.091	30.123	83	74	63	E	3.1	.....		b
		10	30.081	30.113	83	75	67	S E by S	1.9	.....		b
	16th	10	30.037	30.068	85	74	58	W N W	2.8	.....		b
MADRAS.	Feb. 9th	10	30.004	30.117	84	75	64	N W by N	2	.....		b, c
		16	29.986	30.008	85	74	58	E N E	6	.....		c
	10th	10	30.082	30.104	86	75	58	N E by E	2	.....		b
		16	29.957	29.979	86	73	51	E by S	8	.....		c
	11th	10	30.118	30.140	85	74	58	S E by S	3	.....		c
		16	29.969	29.991	88	69	34	E by S	4	.....		c
	12th	10	30.000	30.033	84	74	69	S S E	8	.....		c
		16	29.928	29.950	88	71	40	S E	10	.....		b
	13th	10	30.074	30.097	84	74	69	S S E	6	.....		b
		16	29.949	29.972	84	76	68	E S E	8	.....		b
	14th	10	30.103	30.126	84	74	69	E	6	.....		b, c
		16	29.987	30.009	85	74	58	E N E	9	.....		b, c
COLOMBO.	* 15th	10	30.109	30.132	82	73	63	N N W	3	.....		c, m, f
		16	29.997	30.020	83	74	63	N E by E	6	.....		cloudy
	Feb. 10th	10	30.006	30.047	80	74	74	N	6.0	.....	C	c
		10	30.030	30.071	84	78	75	W	1.0	.....	C	c
	12th	10	29.923	30.064	83	78	79	S E	3.1	.....	C	c
		10	29.988	30.029	83	77	75	N	2.6	.....	C	c
	14th	10	29.968	30.008	85	78	72	N	1.8	.....	C	c
		10	29.993	30.034	82	78	81	E	4.2	0.10	C	c

\* Velocity of wind in miles per hour.

## Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th February 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
Feb.	10th	113.7	29.962	75.3	85.1	15.4	69.7	69.1	0.522	60.2	60	Till 10 A.M. N E by N through W and N, till midnight S W by W through N and W.	122	Nil	Chiefly clear and <i>w</i> .
"	11th	112.9	30.002	71.6	86.7	25.0	61.7	65.9	.522	60.2	60	Till 9½ A.M. N by W through W and N W, till 3 P.M. S E through E, till midnight S.	67	"	Day chiefly clear, night partially cloudy, <i>w</i> and <i>t</i> .
"	12th	112.5	29.904	75.0	81.8	11.3	70.5	70.7	.606	68.4	80	Till 10½ A.M. S back again through W, N and E, till midnight N by E through W and N W.	187	0.07	Cloudy till afternoon, evening and night clear, <i>w</i> , <i>t</i> , <i>d</i> and <i>p</i> .
"	13th	138.8	30.053	69.2	78.8	17.3	61.5	60.4	.407	53.2	56	N by E	103	Nil	Clear and <i>w</i> .
"	14th	135.6	.072	67.6	78.6	21.1	57.5	59.2	.392	52.2	58	Till 11 A.M. E by S through N E, till midnight S W by W through E, N and W.	99	"	Clear and <i>w</i> .
"	15th	111.5	29.998	70.2	83.5	25.9	57.6	65.3	.559	62.1	75	S W by W and W by S.	104	"	Chiefly clear and <i>w</i> .
"	16th	112.2	.000	72.0	83.6	18.1	65.5	63.5	.471	57.4	60	W by S, W N W and W.	94	"	Clear <i>f</i> and <i>w</i> .

The mean pressure of the seven days ... 29.994  
The average pressure of the corresponding period for 25 years ... 29.954

The mean temperature of the seven days ... 72.0  
The average temperature of the corresponding period for 25 years ... 72.3  
The extreme variation of temperature during the seven days ... 29.2  
The maximum temperature during the seven days ... 86.7

The mean relative humidity during the seven days ... 64  
The average relative humidity of the corresponding period for 25 years ... 68

The total fall of rain from 10th to 16th February 1878 ... 0.07  
The average fall of the corresponding period for 25 years ... 0.29  
The total fall from 1st January to 16th February 1878 ... 0.11  
The average fall of the corresponding period for 25 years ... 1.20

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h. and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*l* lightning, *w* dew, *o* overcast, *t* thunder, *d* drizzling, *p* passing, temporary showers, *f* foggy.

JOHN ELIOT, M.A.,

Meteorological Reporter to the Government of Bengal,  
for Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,  
The 18th February 1878.

## Reports of Fluctuation of Traffic on the Eastern Bengal Railway for the Month of January 1878.

EASTERN BENGAL RAILWAY COMPANY, TRAFFIC SUPERINTENDENT'S OFFICE.

*Report on the Traffic for the four weeks ending the 26th January 1878.*

Dated Calcutta, the 12th February 1878.

From—C. F. CHADBURN, Esq., (for) Acting Traffic Superintendent,

To—The Agent, Eastern Bengal Railway, Sealdah.

The quantity of goods carried during the above period amounted to Mds. 6,89,612, shewing a decrease of 35,786 Mds. as compared with that carried during the corresponding period of last year, which amounted to 7,25,398 Mds. This decrease is owing chiefly to the smaller quantity of rice and sugar carried.

The staples shewing the greatest decrease are grain including rice and bundles and bales of gunny, bales of jute sugar and seeds.

The staples shewing the greatest increase are jute drums, salt, tobacco, turmeric and miscellaneous goods. Foreign Railway material also shews an increase.

### Decrease.

Grain, including rice	Mds.	1,66,152
This decrease is owing to there being no export to Madras as last year.		
Gunny	Bundles	Bales.
	725	4,626
This decrease in bundles is owing to less demand in the interior for gunny bags, and that in bales to a lesser quantity arriving from Serajunge Jute Mills.		
Jute, bales	Mds.	6,071
This is owing to the dull market for bales, the drums however showing a large increase.		
Sugar	Mds.	22,162
This decrease is owing to the lateness of the season, but will improve as it advances.		
Seeds	Mds.	9,070
This staple shows a decrease, but will, I hope, improve as the season advances.		

### Increase.

Jute, drums	Mds.	1,28,178
This shows a satisfactory increase, slightly counteracted by the decrease in bales.		
Railway material, foreign	Mds.	11,817
This increase is owing to the quantity of material sent up for the Northern Bengal State Railway.		
Salt	Mds.	7,679
This shows a satisfactory increase and is as anticipated.		
Tobacco	Mds.	4,469
This increase is also satisfactory, and owing to a large demand in the market.		
Turmeric	Mds.	8,758
This staple shows a very satisfactory increase, and is also owing to large demand in the market.		
Miscellaneous	Mds.	11,606
This increase is in upward, downward and intermediate goods, and is very satisfactory.		
I subjoin the usual statement of increase and decrease.		

### EASTERN BENGAL RAILWAY.

*Statement showing Increases and Decreases in maundage of staples carried over the line for the four weeks ending the 26th January 1878, as compared with the corresponding period of 1877.*

STAPLES.	1877.		1878.		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Ale, beer, wine, &c.	794	9	537	...	803	537	...	266
Cotton, bundles of	192	...	35	58	192	93	...	99
Ditto, bales of	2,990	...	879	...	2,090	979	...	1,111
Grain, including rice	9,140	3,78,087	8,614	2,12,157	3,87,227	2,21,075	...	1,66,152
Gunny, bundles of	1,047	1,938	2,887	273	3,885	3,160	...	725
Ditto, bales of	...	6,103	445	1,033	6,103	1,177	...	4,926
Hides, bundles of	...	9,564	...	9,510	9,564	9,510	...	54
Ditto, bales of	...	...	...	...	...	...	...	...
Jute, drums of	3,016	80,165	1,128	2,10,533	93,181	2,20,659	1,28,178	...
Ditto, bales of	...	71,168	928	61,169	71,168	65,097	...	6,071
Piece-goods	23,983	43	21,354	341	24,026	21,699	673	...
Railway materials, foreign	5,402	...	17,219	...	5,402	17,219	11,817	...
Salt	18,657	...	26,336	...	18,657	26,336	7,679	...
Sugar	52	31,959	4,861	7,685	35,011	12,549	...	22,462
Tea	2	935	7	...	937	7	...	930
Tobacco, bundles of	65	5,930	488	9,978	5,995	10,464	4,469	...
Ditto, bales of	...	20	...	...	20	...	...	20
Turmeric	665	4,574	...	13,997	5,239	13,997	8,758	...
Twist	2,969	1,058	2,742	575	4,027	3,317	...	710
All other goods	20,433	17,881	38,103	14,511	38,314	52,920	11,008	...
Seeds	1,512	13,015	2,014	3,173	11,557	5,487	...	9,070
<b>Total</b>	<b>90,940</b>	<b>6,31,440</b>	<b>1,32,023</b>	<b>5,57,500</b>	<b>7,25,398</b>	<b>6,89,612</b>	<b>1,76,510</b>	<b>2,12,396</b>
					<b>6,89,612</b>			<b>1,76,510</b>
<b>Decrease</b>					<b>35,786</b>			<b>35,786</b>

Reports of Fluctuation of Traffic on the Tirhoot State Railway for the Month of December 1877.

TIRHOOT STATE RAILWAY.

INCREASE.

Food-grains	...	...	Mds 50 790
The increase in this particular staple is owing to the abundant harvest in Tirhoot, and to the scarcity in the North-Western Provinces.			
Hides and horns	...	...	" 752
This is attributable to the demand in the market; and as the hides from this district are of a superior quality, this traffic promises well.			
Indigo	...	...	" 7,781
This increase is owing to a good season and to opening out of the Mozufferpore extension.			
Iron	...	...	" 1,701
This has principally been for the requirements of the several indigo factories, and has been diverted from the rivers to the railway.			
Piece-goods	...	...	" 3,182
This increase is principally in consignments to Mozufferpore for the Mohurram.			
Seeds—indigo	...	...	" 1,261
This was an early consignment for the Sakra district.			
Oil-seeds	...	...	" 23,811
This increase is attributable to the development of the system and to through booking.			
Salt	...	...	" 3,103
This is double the imports of 1876 and is steadily increasing. This traffic has also been diverted from the rivers.			
Salt-petre	...	...	" 11,680
This increase is due to the demand in the market and to the opening out of the Mozufferpore extension.			
Tobacco	...	...	" 3,613
This staple shows a satisfactory increase owing to the healthy state of the plant grown in Tirhoot and the great demand there is for it.			

DECREASE.

Railway materials	...	...	" 1,334
Owing to completion of the line.			

SOMASTIPORE,  
The 2nd February 1878.

W. M. JOHNSTON,  
Asst. Traffic Supdt., Tirhoot Railway.

TIRHOOT STATE RAILWAY

Statement shewing Increases and Decreases in Manadage of Staples carried over the line for the month of December as compared with the corresponding period of 1876.

STAPLES.	1876.		1877.		1876. Total.	1877. Total.	Increase.	Decrease.
	Up.	Down.	Up.	Down.				
Food-grains	1,013	8,786	4,730	55,850	9,799	69,789	50,790	...
Hides and horns	231	1,895	...	2,798	2,066	2,798	752	...
Indigo	...	2,892	...	10,673	2,892	10,673	7,781	...
Iron	65	14	1,636	147	79	1,781	1,701	...
Piece-goods	333	34	3,510	9	367	3,513	3,182	...
Railway materials	1,825	1,122	117	1,196	2,947	1,613	...	1,334
Seeds—Indigo	...	...	1,261	...	...	1,261	1,261	...
Seeds—Oil	1,620	2,789	2,211	25,012	4,400	28,223	25,811	...
Salt	3,674	...	6,107	...	3,674	6,777	3,103	...
Salt-petre	...	3,937	...	15,623	3,937	15,623	11,680	...
Tobacco	14	705	266	4,066	719	4,332	3,613	...
All other goods	2,353	7,029	1,777	6,128	10,262	10,905	613	...
	11,498	29,633	25,245	1,22,881	41,131	1,49,196	1,08,129	1,334
Increase	...	...	...	...	...	11,431	1,334	...

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 9th February 1878 on 1,279½ miles open.

	No. of passengers	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN										
		Coaching receipts.				Weight carried.		Receipts.			Coach- ing.	Merchandise.	Total								
		Rs.	A. P.	£	s. d.	Mds.	S.	Rs.	A. P.	£				s. d.							
Total traffic for the week	148,800	2,16,671	16	0	19,852	8	0	16,73,781	10	5,70,089	3	9	7,86,660	13	9	35,91½	115,970	161,881½			
Or per mile of railway	...	169	3	8	15	10	3	145	7	6	10	16	8	614	11	2	...	...	...		
For previous 5 weeks of half-year	597,104	8,76,156	2	0	80,314	6	3	70,56,665	29	26,40,433	5	0	34,2,939	14	5	35,16,589	7	0	217,612½	507,650½	725,271½
Total for 6 weeks	745,904	10,92,727	12	0	1,00,166	14	3	87,30,446	39	32,10,522	8	9	204,297	18	0	13,03,250	4	9	203,523½	323,029½	587,153½
COMPARISON.																					
Total for corresponding week of previous year	147,616	2,22,679	11	2	20,112	6	2	11,71,365	30	5,20,470	7	2	47,710	12	4	7,43,159	2	4	14,668	97,893	142,561
For mile of railway, corresponding week of previous year	...	174	0	0	15	19	0	...	...	190	11	3	37	5	8	589	11	3	...	...	...
Total to corresponding date of previous year	816,798	11,89,322	8	1	1,36,521	4	7	74,50,936	0	31,20,314	1	2	256,028	16	10	46,09,656	0	3	311,163	548,478	899,641

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 9th February 1877 on 223 $\frac{1}{2}$  miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.		Coach- ing.	Merchan- dise.		Total		
		Rs. A. P.	£ s. d.		Rs. A. P.	£ s. d.						
Total traffic for the week .. ...	8,420	26,438 12 9	2,423 11 2	1,18,638 20	43,357 8 0	3,974 1 5	69,792 4 9	5,215	10,970	16,1		
Or per mile of railway .. ...		118 2 7	10 16 7		133 12 2	17 15 3	211 14 9					
For previous 5 weeks of half-year ..	33,392	1,02,857 10 9	9,428 12 4	7,97,955 20	2,29,897 15 0	21,073 19 7	3,72,755 9 9	22,392	52,360	74,7		
Total for 6 weeks .. ...	41,812	1,29,296 7 6	11,451 3 6	9,63,534 0	2,73,251 7 0	25,048 1 0	4,02,547 14 6	27,607	63,336	90,9		
COMPARISON.												
Total for corresponding week of previous year .. ...	7,351	22,531 11 0	2,065 8 1	2,29,144 30	61,357 2 0	5,622 11 5	83,368 13 6	4,800	13,737	18,5		
Per mile of railway, correspond- ing week of previous year .. ...	.....	100 11 2	9 4 7	.....	274 2 1	25 2 7	374 13 3	.....	.....	.....		
Total to corresponding date of previous year .. ...	52,019	2,30,622 6 5	21,085 7 9	12,85,521 20	3,34,596 5 0	30,671 6 7	5,61,618 11 5	31,510	89,015	1,23,5		

## EASTERN BENGAL RAILWAY

Approximate Return of Traffic for week ended 2nd February 1878 on 158 $\frac{1}{2}$  miles open.

	COACHING TRAFFIC				MERCHANDISE AND MINERAL TRAFFIC				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.				
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s.		
Total traffic for the week ..	36,284	29,691 12 9	2,575 1 7	2,18,797 2	53,712 1 10	4,923 12 3	7,466 13 1		
Or per mile of railway ..	229	177 8 4	10 5 5	1,382 24	359 6 7	31 2 3	47 7		
For previous 4 weeks of half-year ..	140,063	96,458 3 0	8,42 0 0	6,78,291 31	1,80,647 1 7	16,559 6 5	25,401 6		
Total for 5 weeks ..	176,350	1,24,519 15 9	11,117 1 7	8,97,958 33	2,31,359 3 5	21,482 18 8	32,900 0		
COMPARISON.									
Total for corresponding week of previous year ..	39,042	27,677 3 7	2,557 1 7	1,62,312 35	36,509 12 5	3,316 14 6	5,833 16		
Per mile of railway, corresponding week of previous year ..	247	174 14 4	16 0 7	1,025 27	230 11 4	21 3 0	37 3		
Total to corresponding date of previous year ..	177,231	1,23,307 2 0	11,293 3 0	8,55,517 33	1,86,152 7 1	17,063 19 6	23,367 3		

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 9th February 1878 on 158 $\frac{1}{2}$  miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	38,030	31,209 3 11	2,830 11 11	2,29,512 17	53,234 11 8	5,063 3 8	7,924 0
Or per mile of railway ... ..	240	197 3 5	18 1 0	1,459 13	349 0 7	31 19 11	50 1
For previous 5 weeks of half-year ...	1,76,350	1,24,515 15 9	11,417 1 7	8,97,958 33	2,31,359 4 5	21,482 18 8	32,900 0
Total for 6 weeks ...	2,14,380	1,55,750 3 8	14,277 18 6	11,23,571 10	2,89,593 15 1	26,546 2 4	40,924 0 10
COMPARISON.							
Total for corresponding week of previous year	37,763	29,293 0 10	2,685 3 11	1,75,181 1	30,597 9 11	2,904 15 8	5,439 19
Per mile of railway, corresponding week of previous year	213	185 1 9	16 19 4	1,108 35	193 5 7	17 14 6	34 13 10
Total to corresponding date of previous year ...	2,11,027	1,52,699 2 10	13,985 6 11	10,28,939 34	2,16,750 1 0	19,863 15 2	33,867 2

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 9th February 1878 on 27 $\frac{1}{2}$  miles open.

		Rs. A. P.	£ s. d.	Mds. Srs.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	2,536	1,040 0 0	104 0 0	20,905 0	1,373 0 0	133 6 0	237 6 0
Or per mile of railway	93	38 0 0	15 0 0	767 0	40 0 0	14 0 0	8 14 0
For previous 5 weeks of half-year	11,343	4,850 0 0	185 0 0	81,933 0	4,523 0 0	452 6 0	937 6 0
Total for 6 weeks	13,879	5,890 0 0	389 0 0	1,05,838 0	5,853 0 0	585 12 0	1,174 12 0
COMPARISON.							
Total for corresponding week of previous year	2,610	1,213 5 3	121 6 8	9,084 33	595 15 9	59 12 0	180 18 8
Per mile of railway, corresponding week of previous year	97	44 8 3	1 0 0	333 15	21 13 11	2 3 9	6 12 9
Total to corresponding date of previous year	14,347	6,758 7 6	655 16 11	51,997 9	3,797 6 0	379 14 10	1,035 11 9

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 16th February 1878 on 27 $\frac{1}{2}$  miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week . . . . .	2,462	1,081 0 0	103 2 0	18,194 0	1,166 0 0	115 12 0	218 14 0
Or per mile of railway . . . . .	90	37 8 0	3 15 0	667 0	12 8 0	4 5 0	8 0 0
For previous 6 weeks of half-year . . . . .	13,879	5,890 0 0	580 0 0	105,838 0	5,856 0 0	585 12 0	1,174 12 0
Total for 7 weeks . . . . .	16,341	6,921 0 0	692 2 0	124,032 0	7,012 0 0	701 4 0	1,393 6 0
COMPARISON.							
Total for corresponding week of previous year . . . . .	2,849	1,285 0 0	125 17 1	18,522 1	728 15 0	72 17 10	108 14 11
Per mile of railway, corresponding week of previous year . . . . .	105	48 3 0	4 12 4	682 37	20 12 0	2 13 7	7 5 11
Total to corresponding date of previous year . . . . .	17,196	7,817 0 0	781 14 0	69,429 10	4,523 5 0	452 12 8	1,234 6 9

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd February 1878 on 79 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.
		Rs. A. P.	£ s. d.		Rs. A. P.	£ s. d.	
Total traffic for the week	6,550	3,349 8 0	334 19 0	18,784 0	2,305 0 0	230 10 0	565 9 0
Or per mile of railway	83	42 6 3	4 4 9	237 20	29 2 0	2 18 3	7 3 0
For previous 4 weeks of half-year	27,150	13,612 0 0	1,361 4 0	98,305 0	11,347 0 0	1,134 14 9	2,495 18 9
Total for 5 weeks	33,700	16,961 8 0	1,696 3 0	1,17,080 0	13,652 0 0	1,365 4 0	3,061 7 9
COMPARISON.							
Total for corresponding week of previous year, opened 48½ miles	3,275½	1,316 14 9	131 13 10	12,873 0	1,031 15 0	103 3 10	234 17 8
Or per mile of railway, corresponding week of previous year	71	28 10 0	2 17 3	279 0	22 7 0	2 4 0	5 2 0
Total to corresponding date of previous year	12,613	5,135 10 3	513 11 3	60,493 0	4,746 5 6	474 13 8	988 7 11

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 9th February 1878 on 28 miles open.

		Rs. A. P.		Mds. s.	Rs. A. P.		£ s. d.
		£ s. d.			£ s. d.		
Total traffic for the week	10,001	1,859 0 0	185 18 0	27,555 0	865 0 0	86 10 0	272 8 0
Or per mile of railway	357	66 0 0	6 12 0	984 0	31 0 0	3 2 0	9 14 0
For previous 5 weeks of half-year	41,929	7,582 0 0	758 4 0	1,05,703 0	3,752 0 0	375 4 0	1,133 8 0
Total for 6 weeks	51,930	9,441 0 0	944 2 0	1,33,258 0	4,617 0 0	461 14 0	1,405 16 0
COMPARISON.							
Total for corresponding week of previous year	10,393½	1,335 10 6	133 11 3	16,775 10	606 7 0	60 12 11	300 4 2
Or per mile of railway, corresponding week of previous year	371	47 11 3	4 15 5	590 36	23 12 9	2 7 7	7 3 0
Total to corresponding date of previous year	62,780	8,469 6 3	849 18 9	95,302 31	3,401 1 4	340 2 2	1,196 0 11



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, FEBRUARY 27, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 23rd February 1878.*

No.	District, and date of return.	Rainfall at Sudder Station in inches	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, Feb. 23 '78	Nil	The winter crops are being reaped and gathered, and the sugarcane is being cut in many places. The spring crops are being sown. Cholera is still prevalent in the Bood-Bood, Culna, and Jehanalad sub-divisions. No reports have been received from Raneegeunge and Cutwa.
	2 Bankoora, „ 23 „	Nil	Weather—cool in the beginning of the week; cool mornings, hot days, and foggy one day. Prospects of the crops are the same as reported last week.
	3 Beerbhoom, „ 23 „	Nil	Weather—getting warm. The winter crops are doing well. Sugarcane is being harvested.
	4 Midnapore, „ 23 „	Nil	Weather—getting very warm. State and prospects of the crops are fair, but rain is said in some places to be required for the standing crops.
	5 Hooghly, „ 23 „	Nil	Weather—unseasonably warm. The <i>rubber</i> crops are fast ripening. Public health is normal. No fresh case of cattle-disease has been reported.
	Howrah, „ 25 „	0 005	Weather—warmer than usual at this time of year. There is no crop on the ground. Land is under preparation for the coming cultivation.
<i>Central Districts</i>			
PRESIDENCY DIV.	6 24-Pergannahs, Feb. 23 '78	0 71	Weather—hot. State and prospects of the crops are good. Health is normal. Cholera in some places still prevails.
	7 Nuddea, „ 23 „	0 20	Weather—generally foggy in the morning and becoming warm. The harvesting of the cold-weather crops is going on; there is no change in the prospects of the outturn, which will be rather poor.
	8 Jessore, „ 23 „	Nil	Weather—rapidly growing warm. Mornings are generally foggy. The winter crops are being gathered. Prospects of the <i>boro dhana</i> are not good, owing to want of sufficient rain.
	9 Moorsshedabad, „ 23 „	Nil	The weather is getting rapidly hot. The <i>rubber</i> crops are reported to be generally in good condition. Cholera is still prevalent in three police thanas.



No.	District, and date of return	Rainfall at Sudder Station in inches	Character of the weather, state and prospects of the crops, and state of health at date
BENGAL. —(Continued)			
Central District —(Contd)			
RAJSHAHYE AND COOCH BEHAR DIVN.	10 Dinagepore, Feb 22 '78.	Nil	A high, warm wind from the south-west is blowing. Prospects of the spring crops are good. Rice is selling at from 12 to 28 seers the rupee.
	11 Rajshahye, „ 23 „	Nil	Weather—clear and cold during the first, but warmer during the latter, part of the week. The <i>rubbee</i> crops promise a fair outturn. The seedlings of <i>boro dhán</i> are being transplanted. A few cases of cholera and small-pox have been reported from Nowhatta and Tannore.
	12 Rungpore, „ 22 „	Nil	Weather—becoming warmer. State and prospects of the crops continue to be satisfactory. The recent rain has been very beneficial to all kinds of crops except tobacco and mango. It has much facilitated agricultural operations. Public health as regards fever is good, but some cases of cholera have been reported from the Kurigram sub-division.
	13 Bogra, „ 23 „	Nil	Weather—bright and warm, with west and north-west wind blowing. The hail that fell on the 12th instant was not general. <i>Khesari</i> and other pulses are in ears. Nearly one-fourth of the sugarcane has been gathered. Mulberry and ganja plants are thriving. Ploughing goes on actively. A few sporadic cases of cholera were reported during the week.
	14 Pubna, „ 23 „	Nil	Weather—hot. Prospects of the <i>rubbee</i> crops appear to be promising, but rain is wanted. The harvesting of <i>huldi</i> is not yet complete. Cholera in the Pubna town appears to have abated.
	15 Darjeeling, „ 22 „	0.31	A good deal of misty weather, with a sprinkling of rain. Just now there is a very high wind, threatening more rain. The ground is being prepared for the rice sowings, and the recent rain will do good.
	16 Julpigowee, „ 23 „	Nil	Weather—cool for the time of year. Exceptionally cool as compared to other districts in Bengal. The cold weather crops are good.
DACCA DIVN.	Cooch Behar, „ 21 „	Nil	Weather—mild and pleasant. It is neither too hot nor too cold, but is becoming warmer in the day time. The tobacco and other standing crops are looking healthier than before, the late rain having revived them considerably. The ground is being prepared for <i>bitri dhán</i> . Public health is improving week after week.
	Eastern Districts		
	17 Dacca, Feb. 23 '78.	Nil	Weather—much warmer. Heavy fog almost every morning. State and prospects of the crops are good.
	18 Furreedpore, „ 23 „	0.28	Weather—seasonable. Rain with hailstones fell on the night of the 22nd instant. The condition of the crops now on the ground is generally good. In one or two thanas the cereals are suffering from want of rain.
	19 Backergunge, „ 21 „	Nil	All is well.
	20 Mymensingh, „ 22 „	Nil	Weather—fine, but warmer. Ploughing operations are proceeding. There is little on the ground, except millet. Injury to tobacco has been caused in places by hail on the 12th instant.
	21 Tipperah, „ 22 „	0.20	Weather—cloudy, with wind from the south. Sugarcane is nearly all cut. Winter crops are in good condition. Average price of rice is Rs. 2-12 per maund.
CHITTAGONG DIVN.	22 Chittagong, „ 21 „	Few drops.	Weather—seasonable with south wind. Rain is wanted for the cold-weather crops. Price of rice is from 9 to 13 seers per rupee; in the south it is from 12 to 16 seers.
	23 Noakholly, „ 21 „	Nil	Weather—warm. The cold weather northerly winds have been replaced by southerly winds. Pulses, chillies, &c., are progressing favourably. Ploughing for the early rice crop is going on actively. Public health is good.
	24 Chittagong Hill Tracts, „ 19 „	0.90	Weather—seasonable. Cloudy at noon throughout the week. The hillmen are busily engaged in cutting jungle for jooming. Mustard is nearly gathered now.
BEHAR.	Hill Tipperah, „ 20 „	Nil	Weather—sometimes cloudy; threatening rain, but none has fallen. Hot weather is setting in early. No change in the prospects of the crops. Prices are stationary.
	25 Patna, Feb. 23 '78.	Nil	Weather—seasonable. Strong west wind blowing since the last two days. Prospects of the crops on the whole are good, but in many places caterpillars have completely destroyed <i>kearas</i> (peas), <i>khesaree</i> , and <i>masoor</i> .
	26 Gya, „ 23 „	Nil	Weather—unusually hot. High wind on the 23rd instant; maximum thermometer in the shade 92.4°. Prospects of the <i>rubbee</i> crops continue on the whole good, though in parts of the district insects continue their attacks, and <i>masoor</i> has been a failure in the sudder sub-division. Cut and given as fodder to cattle, it is reported to have caused death in many instances. Prices have risen since last report, and there are murmurs of distress. The <i>rubbee</i> harvest will bring relief.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR—(Continued.)</b>			
PATNA DIVN.—(Continued.)	27 Shahabad, Feb. 23 '78	Nil	Weather—generally clear, but occasionally cloudy. Peas and <i>masoor</i> are generally being reaped. Other <i>rubbee</i> crops continue promising. Fields are being prepared for sugarcane. Public health is good.
	28 Durbhunga, „ 23 „	Nil	Weather—warm, with west wind. Prospects of the crops are good. Prices continue high. Health of the people is generally good.
	29 Mozufferpore, „ 23 „	Nil	Weather—getting warm. West wind is prevailing. State and prospects of the <i>rubbee</i> crops are satisfactory. The prices of food-grains remain stationary.
	30 Sarun, „ 23 „	Nil	Weather—clear during the first part of the week, but since the 20th instant the mornings are cloudy. The sun is getting gradually hot. West wind is prevailing. No rain during the week. The <i>rubbee</i> crops are doing well throughout the district, especially those along the banks of the Gogra. Peas, mustard and <i>masoor</i> are being harvested; wheat and barley are ripening. In some places slight injury has been done to the <i>rahur</i> by frost. Poppy is in flower, and is giving out pods. The Sub-Deputy Opium Agent of Sewan has reported that about one-third of the entire poppy cultivation, or about 15,000 beghas, were destroyed by blight. Ryots are engaged in sowing <i>cheena</i> and planting sugarcane. Mango is in blossom. New peas and <i>masoor</i> are coming into the market. Prices are stationary. Public health is good.
	31 Chumparun, „ 23 „	Nil	Sky is now and then overcast. There is every probability of rain. Weather is getting hotter daily. Prospects of the <i>rubbee</i> crops are the same as before; the average outturn is estimated at 10 annas.
	32 Monghyr, „ 23 „	Nil	Weather—warm. West wind blowing. State and prospects of the crops are very good.
	33 Bhagulpore, „ 23 „	Nil	Weather—hot and windy by day. Nights are cool. Prospects of the <i>rubbee</i> crops are excellent. No material alteration in the prices, which were reported last week to have a downward tendency. Health is good.
	34 Purneah, „ 23 „	Nil	High west wind is prevailing. Prospects continue fair. Sugarcane is being cut in Kissengunge. Tobacco in Arrarrah is excellent.
BRAGIPORE DIVISION.	35 Maldah, „ 23 „	Nil	Weather—fair, and getting hot. State and prospects of the crops are generally satisfactory. Price of common rice is rising, there having been much exportation; the average price now is just over 16 seers per rupee. Public health is satisfactory. A few cases of cholera and small-pox have been reported, but no deaths.
	36 Sonthal Pergas, „ 24 „	Nil	Weather—windy and changeable. A good deal of damage has been done to <i>mohwa</i> and mango trees by the hail of last week. Small-pox and cholera are bad in Deoghur.
<b>ORISSA.</b>			
ORISSA DIVN.	37 Cuttack, Feb. 23 '78	Nil	Weather—fine and hot. No change in the state of the crops and public health since last report.
	38 Pooree, „ 21 „	Nil	Weather—warm for the season. <i>Sarad</i> rice, <i>Lulthi</i> , and <i>mandia</i> crops are being harvested. <i>Dalua</i> rice is progressing well on low land. <i>Moong</i> and <i>kalai</i> promise well. Common rice is selling at 14½ to 18½ seers for the rupee. Export of rice to the Madras Presidency continues. Public health is good.
	39 Balasore, „ 22 „	Nil	Weather—fine. Prospects of the crops are satisfactory. A good many deaths, both from sporadic cholera and small-pox, have been reported.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
40	Hazareebagh, Feb. 22 '78	Nil	Weather—much warmer. The Deputy Commissioner on tour writes that the rain and hail last week damaged the <i>rubbee</i> crops in the west of the district. Ploughing is being pushed on.
41	Lohardugga, „ 23 „	Nil	Weather—seasonable and getting warm. The <i>rubbee</i> crops have been below the average in the sudder sub-division, and considerably so in the Palanow sub-division. The export of food-grains has been very great, and has forced up prices so exceedingly that some hardship is beginning to be felt among the labouring classes in parts of the district. A good <i>mohwa</i> crop will avert distress. The high prices of food-grains has given a great impetus to emigration.
42	Singbhoom, „ 22 „	Nil	Weather—seasonable. Nothing to report about the crops. The <i>mohwa</i> and mango have up to this shown very indifferently, and the jungle fruits are also reported not as plentiful as usual. Coarse rice now sells at 20 seers for the rupee, and labourers and non-cultivators are emigrating to the tea districts in greater number than has hitherto been noticed by the Deputy Commissioner. The district is healthy.
43	Manbhoom, „ 23 „	Nil	Weather—favourable. Nothing fresh to report. If the weather keep up, we ought to have a good <i>mohwa</i> crop, which shall prove a relief. As matters are, there is scarcity of food for the poorer class owing to high prices in the north, north-west, west, and south-west of the district, and to a less extent in some other pergunnahs.

Published for general information.

CALCUTTA, STATISTICAL DEPT.  
The 26th February 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLER— CUMBOO, BAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
BENGAL.																									
Western Districts.																									
		S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch	S	Ch
1	Burdwan	A	11 12	11 8	18 0	25 0	25 0	27 8	13 14	15 12	19 6	14 2	16 8	21 0	..	..	..	..	..	..	..	..	..	..	..
2	Bankoora	B	13 4	13 4	15 0	22 0	22 0	22 0	15 0	15 8	24 0	17 8	17 0	26 0	..	..	..	..	..	..	..	..	..	..	..
3	Beerbhoom	C	11 0	13 0	15 0	20 0	20 0	..	12 0	12 0	16 8	13 8	13 8	22 0	..	..	..	..	..	..	..	..	..	..	..
4	Midnapore	D	12 0	13 0	17 0	..	..	..	13 0	13 0	20 0	17 0	16 0	24 0	..	..	..	..	..	..	..	..	..	..	..
5	Hoochly	D	12 8	13 0	17 0	..	..	..	19 0	19 0	{ 11 0 to 11 8 }	13 0	13 0	{ 16 0 to 17 0 }	..	..	..	..	..	..	..	..	..	..	..
	Howrah	E	13 8	13 0	14 0	..	..	..	11 0	11 0	14 0	14 0	15 0	16 0	..	..	..	..	..	..	..	..	..	..	..
Central Districts.																									
	Calcutta	E	12 4	12 8	14 8	16 0	16 0	25 0	7 0	7 0	9 0	13 0	11 8	14 8	..	..	..	..	..	..	..	..	..	..	..
6	24-Pergunnahs	F	..	..	..	..	..	..	..	7 4	8 0	12 0	11 8	13 4	..	..	..	..	..	..	..	..	..	..	..
7	Nuddea	G	12 5	13 5	16 0	30 8	30 8	..	11 7	..	14 8	13 5	12 5	16 0	..	..	..	..	..	..	..	..	..	..	..
8	Jessore	F	11 8	11 8	13 8	..	..	..	11 8	11 0	15 0	14 8	15 8	20 0	..	..	..	..	..	..	..	..	..	..	..
9	Moorshedabad	G	14 8	15 0	17 8	25 0	33 8	35 0	{ 10 0 to 13 0 }	{ 10 0 to 13 0 }	17 0	{ 13 8 to 15 0 }	{ 14 0 to 15 0 }	20 0	..	..	..	..	..	..	..	..	..	..	..
10	Dinapore	H	12 0	12 0	11 0	11 8	11 6	18 0	16 12	16 0	20 0	19 0	21 8	28 0	..	..	..	..	..	..	..	..	..	..	..
11	Rajshahye	I	15 0	12 0	{ 13 8 to 16 0 }	37 8	32 0	24 0	{ 9 0 to 14 0 }	{ 12 0 to 13 8 }	17 4	15 0	14 4	19 11	..	..	..	..	..	..	..	..	..	..	..
12	Rungpore	J	15 0	15 13	22 8	..	..	..	12 12	11 12	15 0	22 8	23 8	19 15	..	..	..	..	..	..	..	..	..	..	..
13	Bogta	K	9 12	9 12	17 8	..	..	..	12 0	15 0	20 0	19 2	19 8	31 0	..	..	..	..	..	..	..	..	..	..	..
14	Patna	K	13 4	{ 13 0 to 16 0 }	15 0	..	..	..	8 0	8 0	12 0	15 0	16 0	23 4	..	..	..	..	..	..	..	..	..	..	..
15	Darjee'ug*	L	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Jalpigoree	L	10 0	10 0	8 0	..	..	..	13 0	13 0	16 0	16 0	16 0	20 0	..	..	..	..	..	..	..	..	..	..	..
Eastern Districts.																									
17	Dacca	M	12 4	12 4	14 4	32 0	32 0	42 8	12 4	12 4	17 8	15 3	16 0	22 0	..	..	..	..	..	..	..	..	..	..	..
18	Farreedpore	N	15 0	15 0	22 0	..	..	30 0	8 0	8 0	10 0	14 0	15 0	19 0	..	..	..	..	..	..	..	..	..	..	..
19	Backergunge	O	..	..	..	..	..	..	11 0	12 0	16 0	14 0	15 0	18 0	..	..	..	..	..	..	..	..	..	..	..
20	Wymensingh	P	10 0	10 0	14 0	..	..	..	13 8	14 0	20 0	15 0	15 12	26 0	..	..	..	..	..	..	..	..	..	..	..

\* Return not received.

A In the interior the prices range as follow :—Wheat 12½ to 16½ seers, barley 30 to 35 seers, best rice 13 to 15½ seers, common rice 14 to 16½ seers, and gram 12½ to 2 seers.

B In the interior the prices range as follow :—Wheat 12 to 16 seers, barley 20 to 30 seers, best rice 12½ to 18 seers, common rice 15 to 20 seers, maize or Indian-corn 20 to 39 seers, and gram 12 to 16 seers.

C In the interior the prices range as follow :—Wheat 11 to 16 seers, best rice 13 to 17 seers, common rice 14 to 18 seers, and gram 13 to 20 seers.

D In the interior the prices range as follow :—Wheat 12 to 13 seers, barley 22 to 32 seers, best rice 7 to 11 seers, common rice 12 to 13½ seers, and gram 12½ to 17 seers.

E In the interior the prices range as follow :—Wheat 10½ to 13½ seers, barley 16 to 20 seers, best rice 6½ to 7 seers, common rice 11½ to 16 seers and gram 12½ to 13½ seers.

F In the interior the prices range as follow :—Wheat 8 to 13½ seers, best rice 10 to 14 seers, common rice 13 to 15 seers, and gram 11½ to 16 seers.

*undermentioned Districts of Bengal for the Fortnight ending 15th February 1878.*

## THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHIRRA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL.																			
Western Districts.																			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.		
...	...	...	...	...	...	...	...	...	15 8	15 0	20 0	120 0	120 0	160 0	9 0	9 0	9 0	Burhwan.	
...	...	...	...	...	...	32 0	32 0	37 0	13 4	13 4	17 0	140 0	140 0	140 0	8 8	8 8	8 12	Bankoora.	
...	...	...	...	...	...	30 0	30 0	...	16 0	16 8	15 0	200 0	200 0	200 0	8 8	8 8	8 8	Beerbhoom.	
...	...	...	...	...	...	...	...	...	16 0	16 0	17 0	180 0	180 0	260 0	9 0	8 8	9 0	Midnapore.	
...	...	...	...	...	...	...	...	...	14 8 to 15 0	15 0	16 0 to 17 0	120 0	120 0	120 0	9 0	9 0	9 0	Hooghly.	
...	...	...	...	...	...	...	...	...	15 0	14 0	19 0	100 0	100 0	120 0	9 8	9 8	10 0	Howrah.	
Central Districts.																			
12 0	13 5	17 8	...	...	...	10 8	10 8	26 0	16 0	16 0	17 8	100 0	100 0	100 0	8 0	8 0	8 0	Calcutta.	
...	...	...	...	...	...	...	...	...	12 8	12 8	...	90 0	90 0	100 0	9 0	9 0	9 6	24-Pergunnahs.	
...	...	...	...	...	...	...	...	...	17 4	20 0	24 0	120 0	100 0	100 0	8 11	8 11	9 21	Nuddea.	
...	...	...	...	...	...	...	...	...	16 0	16 0	19 11	110 0	110 0	120 0	8 0	8 0	8 0	Jessore.	
...	...	...	...	...	...	...	...	...	20 0 to 20 12	20 0 to 20 12	22 0	120 0	120 0	120 0	7 0 to 9 0	7 0 to 9 0	0 0	Moorshedabad.	
...	...	...	...	...	...	...	...	...	14 0	13 10	13 0	180 0	180 0	180 0	8 0	7 12	8 4	Dinapore.	
...	...	...	...	...	...	...	...	...	24 0	17 8	12 0 to 18 0	15 0 to 16 8	240 0	200 0	320 0	8 10	8 51	9 0	Rajshahye.
...	...	...	...	...	...	...	...	...	12 12	13 81	12 13	107 0	107 0	107 0	7 8	8 1	7 8	Rungpore.	
...	...	...	...	...	...	...	...	...	12 0	12 0	18 0	67 8	67 8	67 8	8 4	8 4	8 4	Bogra.	
...	...	...	...	...	...	...	...	...	13 0 to 18 12	13 0 to 18 12	12 0	200 0	200 0	200 0	8 8	8 8	9 0	Pubna.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.	
...	...	...	...	...	...	...	...	...	10 0	8 0	10 0	80 0	80 0	160 0	7 2	7 2	7 0	Julpigoree.	
Eastern Districts.																			
...	...	...	...	...	...	...	...	...	14 8	13 5	14 8	80 0	80 0	97 0	9 0	9 0	9 2	Dacca.	
...	...	...	...	...	...	...	...	...	14 0	14 0	16 0	...	...	...	9 0	9 0	9 0	Furreedpore.	
...	...	...	...	...	...	...	...	...	13 0	13 0	20 0	100 0	100 0	100 0	8 8	8 8	8 8	Backergunge.	
...	...	...	...	...	...	...	...	...	12 8	12 8	14 0	...	...	...	9 0	9 0	8 11	Mymensingh.	

G In the interior the prices range as follow:—Wheat 14 to 15½ seers, barley 27 to 36 seers, best rice 10 to 14½ seers, common rice 15 to 18 seers, and gram 17½ to 20 seers.

H In Bogunge the prices are—Wheat 15 seers, best rice 10½ seers, common rice 18½ seers, and gram 20 seers.

I In Nattore the prices are—Wheat 18½ seers, best rice 10½ seers, common rice 16½ seers, and gram 15½ seers.

J In the interior the prices range as follow:—Wheat 18 to 20 seers, best rice 16 to 16½ seers, common rice 18 to 20 seers, and gram 8 to 15 seers.

K In Serajunge the prices are—Wheat 12 seers, best rice 8 seers, common rice 13½ seers, and gram 12 seers.

L In the interior the prices range as follow:—Best rice 6 to 11½ seers, common rice 10 to 17 seers, and gram 8 to 11 seers.

M In the interior the prices range as follow:—Best rice 10 to 15 seers, common rice 13 to 19 seers, and gram 13½ to 18 seers.

N In the interior the prices range as follow:—Best rice 10 to 12½ seers, common rice 14 to 16 seers, and gram 12 to 13 seers.

O In the interior the prices range as follow:—Best rice 13 to 13½ seers, common rice 13½ to 14 seers and gram (at Bhola) 11 seers.

P In the interior the prices range as follow:—Wheat 10½ to 14 seers, best rice 7 to 15 seers, common rice 12½ to 18 seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—(Contd.)																			
21	Chittagong	9 0	10 0	9 0	...	...	...	8 0	8 0	10 0	12 0	14 0	16 0	...	...	...			
22	Noakholly	...	...	...	...	...	...	9 0	9 0	11 0	13 0	13 0	17 0	...	...	...			
23	Tipperah	10 8	11 0	12 0	...	...	...	12 8	12 8	14 0	15 0	15 8	22 0	...	...	...			
24	Chittagong Hill Tracts.	...	...	...	...	...	...	10 0	10 0	11 0	11 6	10 10	13 5	...	...	...			
	Hill Tipperah	8 0	8 0	11 0	...	...	...	14 0	16 0	16 0	17 0	18 0	24 0	...	...	...			
BEHAR.																			
25	Patna	15 0	15 0	19 0	20 0	19 0	31 0	10 0	10 0	16 0	15 0	15 0	22 0	...	...	...			
26	Gya	15 0	14 8	18 0	21 0	20 0	31 0	9 0	9 0	13 0	13 8	13 8	22 0	...	...	...			
27	Shahabad	13 0	13 8	16 0	18 8	18 0	28 0	11 0	11 12	17 0	13 0	13 0	19 0	...	...	...			
28	Durbhunga	14 4	15 4	16 8	22 0	23 0	35 8	11 8	11 0	16 8	14 4	13 8	20 12	...	...	...			
29	Mozufferpore	13 0	13 0	15 0	...	...	...	8 0	8 0	11 0	13 0	12 0	19 0	...	...	...			
30	Sharan	12 0	12 0	18 0	18 8	18 0	31 0	7 12	7 12	11 0	11 12	11 0	19 0	...	...	...			
31	Chumpanan	14 0	14 0	14 0	21 0	21 0	...	9 0	9 0	9 0	12 0	12 8	21 0	...	...	...			
32	Monghyr	14 7	13 6	16 7	18 0	22 1	36 7	8 4	9 4	16 8	12 0	12 6	21 0	...	...	...			
33	Bhagulpore	13 4	12 10	16 5	20 3	20 3	18 15	11 6	11 6	20 3	13 14	13 11	22 1	...	...	...			
34	Purneah	14 0	14 0	14 0	...	...	...	14 0	14 0	14 0	17 0	15 0	28 0	...	...	...			
35	Maldah	14 1	14 0	14 0	32 0	32 0	10 0	16 0	15 0	22 0	18 8	16 0	26 0	...	...	25 0			
36	Southal Pergunnahs	19 0	10 0	13 0	...	...	...	12 0	12 0	18 0	13 0	13 0	22 0	...	...	...			
ORISSA.																			
37	Cuttack	8 2	8 8	15 12	...	...	...	9 3	9 3	13 2	13 2	13 2	18 6	...	...	...			
38	Pooree	10 8	11 13	15 12	...	...	...	9 3	9 3	14 7	14 7	15 12	17 1	...	...	...			
39	Balasore	14 0	14 0	16 0	...	...	...	14 0	14 0	16 0	16 0	16 0	20 0	...	...	...			
CHOTA NAGPORE.																			
South-Western Frontier Agency.																			
40	Hazareebagh	13 0	13 8	13 8	...	22 0	...	9 8	9 8	12 0	13 8	14 8	21 0	...	...	...			
41	Lohardugga	10 0	11 0	15 0	18 0	18 0	28 0	13 0	14 0	26 0	16 0	17 0	32 0	...	...	...			
42	Singbhoom	16 0	18 0	26 0	36 0	36 0	32 0	16 0	16 0	20 0	22 0	22 0	40 0	...	...	...			
43	Manbhoom	11 0	11 0	15 0	32 0	32 0	32 0	14 0	14 0	18 0	17 0	17 0	30 0	...	...	...			

\* In the interior the price of common rice ranges from 19 to 23 seers.

Q In the interior the prices range as follow:—Best rice 9 to 15 seers and common rice 13 to 20 seers.

R In the interior the prices range as follow:—Wheat 12½ to 15 seers, barley 18 to 18½ seers, best rice (at Jehanabad) 9 seers, common rice 11½ to 14 seers, and gram 16 to 16½ seers.

S In the interior the prices range as follow:—Wheat 10 to 13 seers, barley 14 to 17 seers, best rice 8 seers, common rice 9½ to 11½ seers, and gram 13½ to 16 seers.

T In Madhubani the prices are as follow:—Wheat 15 seers, barley 24 seers, best rice 16 seers, common rice 16½ seers, murwa 24 seers, maize or Indian-corn 22 seers, and gram 16 seers.

U In the interior the prices range as follow:—Wheat 12 to 22½ seers, barley 20 to 30 seers, best rice 8 to 16½ seers, common rice 11½ to 18½ seers, lesser millets 19½ to 25 seers, maize or Indian corn 16 to 25 seers, and gram 15 to 25 seers.

V In the interior the prices range as follow:—Wheat 14 to 15½ seers, barley 20 to 22 seers, best rice 8½ to 11½ seers, common rice 11½ to 13½ seers, lesser millets 21 to 22 seers, maize or Indian-corn 18½ to 20 seers, and gram 18 to 20 seers.

mentioned Districts of Bengal for the Fortnight ending 15th February 1878.—(Contd.)

THE SEER OF 80 TOLAHS.																				DISTRICTS.
GREAT MILLET— CHOLUM, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN.			GRAM			FIREWOOD			SALT.					
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
...	...	...	...	...	...	...	...	...	10 0	8 0	16 0	120 0	120 0	120 0	6 8	8 0	8 8	Chittagong.		
...	...	...	...	...	...	...	...	...	10 0	10 0	16 0	...	...	...	8 0	8 0	8 0	Noakholly.		
...	...	...	...	...	...	...	...	...	12 8	12 0	13 0	...	...	...	8 8	8 8	8 12	Tipperah.		
...	...	...	...	...	...	...	...	...	...	...	...	320 0	320 0	200 0	6 6	7 4	6 10	Chittagong Hill Tracts.		
...	...	...	...	...	...	...	...	...	10 0	9 5	14 0	...	...	...	8 0	8 0	8 0	Hill Tipperah.		
BEHAR.																				
...	...	31 0	...	...	...	19 0	19 0	40 0	18 0	18 0	22 0	150 0	150 0	140 0	8 0	8 0	8 0	Patna.		
...	...	...	17 0	...	...	16 8	18 0	36 8	17 8	17 8	18 8	160 0	160 0	160 0	8 0	8 0	8 0	Gya.		
17 0	16 0	25 0	17 8	18 0	25 0	...	...	30 0	17 8	18 0	22 0	160 0	160 0	180 0	9 0	8 12	8 8	Shahabad.		
...	...	...	20 12	18 8	33 0	19 8	18 8	33 0	15 4	16 8	18 12	187 0	176 0	176 0	8 0	8 0	8 12	Durbhunga.		
...	...	...	...	...	...	19 0	10 0	39 0	15 0	15 0	18 0	160 0	160 0	140 0	8 0	8 0	8 8	Muzufferpore.		
16 8	16 0	30 0	18 0	18 0	39 0	16 8	16 8	29 12	16 0	16 0	22 0	100 0	160 0	160 0	8 0	8 0	8 0	Saran.		
...	...	...	...	...	...	18 0	18 0	40 0	17 0	17 0	21 0	...	...	...	7 0	7 0	7 8	Chumpanun.		
...	...	...	...	...	...	15 7	16 8	33 6	16 8	18 9	21 0	126 0	126 0	126 0	8 4	8 4	8 4	Monghyr.		
...	...	...	...	...	...	18 15	17 11	31 0	17 11	17 11	18 15	151 9	151 9	151 9	8 3	8 3	8 13	Bhagulpore.		
...	...	...	...	...	...	...	...	14 0 to 16 0	15 0 to 17 0	14 0 to 16 0	...	160 0	160 0	160 0	6 0	8 0	8 0	Purneah.		
...	...	...	...	...	...	20 0	25 0	45 0	17 0	16 0	18 0	120 0	80 0	120 0	9 0	8 4	8 4	Maldah.		
...	...	...	...	...	...	16 0	...	40 0	14 0	15 0	13 0	200 0	200 0	200 0	8 0	8 0	8 0	Sonthal Pergas.		
ORISSA.																				
...	...	...	17 1	14 7	21 0	...	...	...	18 6	17 8	18 6	200 0	200 0	200 0	11 0	10 0	13 0	Cuttack.		
...	...	...	...	...	...	...	...	...	15 12	15 12	18 6	105 0	105 0	113 0	10 8	10 8	13 2	Pooree.		
...	...	...	...	...	...	...	...	...	13 0	13 0	12 0	120 0	120 0	90 0	8 7	8 7	9 0	Balasore.		
CHOTA NAGPORE.																				
South-Western Frontier Agency.																				
...	...	...	...	...	36 0	...	17 0	33 0	16 8	17 0	16 0	240 0	240 0	200 0	8 0	8 0	8 0	Hazareebagh.		
...	...	...	30 0	30 0	44 0	...	28 0	...	14 0	18 0	15 0	100 0	160 0	180 0	7 0	7 0	7 0	Lohardugga.		
...	...	...	...	...	...	...	...	...	20 0	24 0	24 0	320 0	320 0	320 0	6 8	6 8	6 8	Singbhoom.		
...	...	...	64 0	64 0	64 0	40 0	40 0	40 0	15 0	15 0	15 0	160 0	160 0	120 0	8 0	8 0	8 0	Manbhoom.		

W In the interior the prices range as follow :—Wheat 14 to 20 seers, barley (at Banka) 20 seers, best rice 15 seers, common rice 15½ to 16 seers, murwa (at Mudehpore) 27½ seers, maize or Indian-corn (at Banka) 23 seers, and gram (at Banka) 16 seers.  
X In the interior the prices range as follow :—Wheat 14 to 20 seers, best rice 14 to 16 seers, common rice 16 to 18 seers, and gram 12 to 16 seers.  
Y In the interior the prices range as follow :—Wheat 13½ to 14 seers, barley 20 to 22 seers, best rice 12 to 16½ seers, common rice 14 to 17 seers, maize or Indian-corn 17½ to 20 seers, and gram 16 to 17 seers.  
Z In Khoordah the prices are,—Best rice 14 1¼ seers, common rice 17 1¼ seers and gram 17 1¼ seers.  
Z1 In the interior the prices range as follow :—Wheat 13 to 14 seers, barley 20 seers, best rice 9½ seers, common rice 13 seers, lesser millets 20 seers, maize or Indian-corn 15 to 16 seers, and gram 15 to 16 seers.  
Z2 At Daltongunge the prices food-grains on the 12th instant were :—Wheat 17 seers, best rice 11·25 seers, common rice 13·50 seers, and makai 18·50 seers; (at Lohardugga) the prices on the 13th idem were,—wheat 15 seers, best rice 13 seers, and common rice 18 seers.  
Z3 In the interior the prices range as follow :—Wheat 10 to 16 seers, best rice 14 to 18 seers, common rice 15 to 23 seers, maize or Indian-corn 40 seers, and gram 12 to 16 seers.

WHOLESALE PRICES-CURRENT of Food-grains, Firwood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 4 0	3 3 0	..	2 8 0	2 8 0	..	5 8 0	5 8 0	..	3 5 0	3 6 0	..	..	..	..
2	Serajgunge ...	3 0 0	3 8 0	..	..	..	..	4 8 0	5 0 0	..	2 10 0	2 10 0	..	..	..	..
3	Dacca ...	3 3 0	3 3 0	..	1 2 0	1 2 0	..	3 3 0	3 3 0	..	2 8 0	2 6 0	..	..	..	..
4	Naraingunge...	..	..	..	..	..	..	2 15 0	2 13 0	..	2 12 0	2 11 0	..	..	..	..
5	Chittagong ..	..	..	..	..	..	..	5 0 0	4 8 0	..	3 0 0	2 12 0	..	..	..	..
6	Patna ..	2 10 9	2 10 9	..	2 0 0	1 14 3	..	4 0 0	4 0 0	..	2 10 9	2 10 9	..	..	..	..
7	Balasore ...	2 15 0	2 14 0	..	..	..	..	2 13 0	2 13 0	..	2 8 0	2 8 0	..	..	..	..
8	Pooree ...	..	..	..	..	..	..	..	..	..	2 10 0	2 5 0	..	..	..	..
9	Cuttack ...	4 12 0	4 8 0	..	..	..	..	4 2 0	4 2 0	..	2 13 0	2 13 0	..	..	..	..

CALCUTTA,  
The 19th February 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 15th February 1878.

OF 40 SEERS.

GREAT MILLET— CHOLUM, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHERNA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 5 03 00	...	...	...	...	...	3 12 03 12 00	...	...	2 8 02 11 00	...	...	0 7 00 7 00	...	...	4 0 04 00 00	...	...	Calcutta.
...	...	...	...	...	...	...	...	...	2 8 03 00 00	...	...	...	...	...	4 6 04 8 00	...	...	Serajunge.
...	...	...	...	...	...	...	...	...	3 2 03 1 00	...	...	0 6 00 6 00	...	...	4 6 04 6 00	...	...	Dacca.
...	...	...	...	...	...	...	...	...	2 15 02 14 00	...	...	0 9 00 10 00	...	...	4 4 04 43	...	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	1 14 31 14 30	...	...	2 3 62 3 00	...	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	3 12 03 12 00	...	...	0 5 60 5 60	...	...	4 12 04 12 00	...	...	Bulnaore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Poorce.
...	...	...	...	...	...	...	...	...	2 0 02 4 00	...	...	0 3 00 3 00	...	...	3 8 03 12 00	...	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 3rd to 9th Feb. 1878.	Rain from 10th to 16th Feb. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.		
					Inches.	Up to date.			
BENGAL.									
BURDWAN.	WESTERN DISTRICTS.	Burdwan ... ..	0.01	Nil	0.27	16th Feb.	Not received 27th Jan. to 2nd Feb.		
		Cutwa ... ..	Nil	0.09	0.20	ditto			
		Culina ... ..	ditto	Nil	0.10	ditto			
		Bood-Bood ... ..	ditto	ditto	0.28	ditto			
		Rancegunge ... ..	ditto	0.07	0.46	ditto			
	Jehanabad ... ..	0.07	0.13	1.12	ditto				
	Bankoora ... ..	Bankoora ... ..	0.80	0.03	1.90	ditto			
	Beerbhoom ... ..	Sooree ... ..	Nil	0.54	0.94	ditto			
		Hetampore ... ..	ditto	0.20	0.26	ditto			
		Roypore ... ..	ditto	Nil	0.20	ditto			
	Midnapore ... ..	Midnapore ... ..	0.26	ditto	1.68	ditto			
		Tumlook ... ..	Nil	ditto	1.05	ditto			
		Ghattal ... ..	0.45	ditto	2.10	ditto			
	Hooghly ... ..	Contal... { Dy. Collr.'s Office...	Nil	ditto	0.35	ditto			
		Hooghly ... ..	Exe. Engr.'s Office	Not recd.	Not recd.	0.47		2nd Feb.	
			Hooghly ... ..	Nil	0.39	0.56		16th "	
	Howrah ... ..	Seraumpore ... ..	ditto	0.06	0.97	ditto			
		Howrah ... ..	ditto	0.03	1.74	ditto			
	Maheshreka ... ..	ditto	0.40	2.91	ditto				
CENTRAL DISTRICTS.									
PRESIDENCY.	24-Pergunnahs	Saugor Island ... ..	0.10	0.20	0.80	ditto	Not received 27th Jan to 2nd Feb.		
		Alipore ... { Observatory ... ..	0.02	0.07	0.11	ditto			
			Dispensary ... ..	0.02	0.03	2.93		ditto	
			Jail ... ..	0.05	0.03	2.86		ditto	
		Busseerhat ... ..	Nil	Nil	0.82	ditto			
		Barasat ... ..	ditto	0.05	0.57	ditto			
		Diamond Harbour ... ..	ditto	Nil	1.11	ditto			
		Barripore ... ..	ditto	ditto	1.37	ditto			
		Satkhira ... ..	ditto	ditto	1.14	ditto			
		Barrackpore ... ..	ditto	ditto	0.90	ditto			
	Nuddea ... ..	Dum-Dum ... ..	0.08	0.06	1.41	ditto			
		Kishnaghur ... ..	Nil	Nil	0.09	ditto			
		Bongong ... ..	ditto	ditto	0.17	ditto			
		Meherpore ... ..	ditto	0.13	0.13	ditto			
		Chooadanga ... ..	ditto	0.18	0.83	ditto			
		Kooshitea ... ..	ditto	0.40	0.61	ditto			
		Ranaghat ... ..	ditto	0.12	0.25	ditto			
		Jessore ... ..	ditto	0.29	0.98	ditto			
		Narail ... ..	ditto	0.07	0.54	ditto			
		Khoolna ... ..	ditto	0.06	1.04	ditto			
	Jessore ... ..	Jhenida ... ..	ditto	0.05	0.59	ditto			
		Bagulhat ... ..	ditto	0.25	0.45	ditto			
		Magourah ... ..	ditto	0.22	1.01	ditto			
		Berhampore ... ..	ditto	0.26	0.55	ditto			
		Rampore Haut ... ..	ditto	0.35	0.49	ditto			
		Lallbagh ... ..	ditto	0.30	0.30	ditto			
		Moorshedabad ... ..	ditto	0.89	1.06	ditto			
		Jungypore ... ..	ditto	0.72	1.25	ditto			
		Azingunge ... ..	ditto	0.70	0.80	ditto			
		Lalgolla ... ..	ditto	0.60	0.87	ditto			
	Dinapore ... ..	Kandee ... ..	ditto	0.68	1.27	ditto			
		Dinapore ... ..	ditto	0.71	1.31	ditto			
		Raigunge ... ..	ditto	0.66	1.98	ditto			
	Maldah ... ..	Maldah ... ..	ditto	0.92	1.72	ditto			
		Chanchal ... ..	ditto	0.41	0.43	ditto			
	Rajshahye ... ..	Banlesh ... ..	ditto	1.12	1.12	ditto			
		Nattore ... ..	ditto	0.54	0.54	ditto			
	Rungpore ... ..	Rungpore ... ..	ditto	0.73	0.73	ditto			
		Bhabanigunge ... ..	ditto	0.85	0.85	ditto			
		Kurigram ... ..	ditto	0.63	1.00	ditto			
		Bagdogra ... ..	ditto	1.50	1.72	ditto			
	Bogra ... ..	Bogra ... ..	ditto	1.30	1.41	ditto			
		Sherpore ... ..	ditto	1.05	1.17	ditto			
		Nowkhilla ... ..	ditto	0.82	1.59	ditto			
		Panchabibi ... ..	ditto	1.30	1.40	ditto			
		Halulya ... ..	ditto	0.08	0.15	ditto			
	Pubna ... ..	Pubna ... ..	ditto	1.70	1.83	ditto			
		Serajunge ... ..	ditto	Not recd.	0.77	9th Feb.			
	Darjeeling ... ..	Darjeeling... { Telegraph Office	ditto	0.31	0.98	16th "			
{ Hospital ... ..		ditto							
COOCH BEHAR.	Julpigoree ... ..	Julpigoree ... ..	ditto	0.21	0.34	ditto			
		Bodah ... ..	ditto	0.40	0.40	ditto			
		Buxa—Civil Surgeon's Office	ditto	1.04	1.67	ditto			
		Titalya ... ..	ditto	0.37	0.59	ditto			
		Cooch Behar Tribu- tary States.	Cooch Behar ... ..	ditto	0.67	0.76	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 3rd to 9th Feb. 1878.	Rain from 10th to 16th Feb. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.			
					Inches.	Up to date.				
BENGAL—continued.										
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.		1878.				
		Dacca ... {	Dacca... { Telegraph Office...	Nil	0·08	0·56	16th Feb.			
			{ Hospital ...	ditto	Not recd.	0·73	9th "			
			{ Moonshceegunge ...	ditto	ditto	0·88	ditto			
		Furzedpore ... {	Manickgunge ...	ditto	ditto	0·33	ditto			
			Furzedpore ...	ditto	0·23	0·26	16th Feb.			
			Goalundo ...	ditto	0·07	0·85	ditto			
		Backergunge ... {	Madaripore ...	ditto	0·87	1·49	ditto			
			Burrisal ...	ditto	0·08	0·71	ditto			
			Perozepore ...	ditto	Nil	0·55	ditto			
		Mymensingh ... {	Patoakhally ...	0·04	0·95	0·59	ditto			
			Bhola ...	Nil	Nil	0·38	ditto			
			Mymensingh ...	Mymensingh ...	ditto	1·44	1·44	ditto		
		CHITTAGONG.		Jamalpore ...	ditto	1·25	1·25	ditto		
				Atia ...	ditto	0·59	0·59	ditto		
Kishoregunge ...	ditto			1·16	1·85	ditto				
Chittagong ... {	Chittagong { Telegraph Office			ditto	Nil	Nil	ditto			
	{ Jail ...			ditto	0·25	0·51	ditto			
	Cox's Bazar ...			ditto	Nil	Nil	ditto			
Noakholly ... {	Noakholly ...			ditto	0·70	1·89	ditto			
	Fenny ...			ditto	0·59	3·67	ditto			
Tipperah ... {	Comillah ...			ditto	0·70	1·60	ditto			
	Brahmunbariah ...			ditto	0·19	1·63	ditto			
Chittagong Hill Tracts.	Hill Rungamtee Hill...			ditto	0·92	1·44	ditto			
	Hill Tipperah ...			ditto	Not recd.	0·62	9th Feb.			
BEHAR.										
PATNA.				Patna ... {	Patna ...	ditto	0·13	1·24	16th Feb.	
					Behar ...	ditto	0·22	1·37	ditto	
		Barh ...	ditto		0·48	1·28	ditto			
		Dinapore ... {	Jail ...		ditto	Not recd.	1·50	9th Feb.		
			Cantonment...		ditto	Nil	1·50	16th Feb.		
		Gya ... {	Gya ...	ditto	0·21	1·06	ditto			
			Nowadah ...	ditto	0·42	2·13	ditto			
			Aurangabad ...	Aurangabad ...	ditto	0·13	0·97	ditto		
				Jehanabad ...	ditto	0·23	2·33	ditto		
			Shahabad ... {	Arrah ...	ditto	Nil	1·98	ditto		
		Basseram ...		ditto	0·13	0·03	ditto			
		Buzar ...		ditto	0·20	2·70	ditto			
		Bhubooah ...		ditto	Nil	2·80	ditto			
		Mozufferpore ... {		Mozufferpore ...	ditto	0·12	1·56	ditto		
			Hajepore ...	ditto	0·05	1·11	ditto			
			Sectanmurhes ...	Not recd.	Not recd.	0·21	26th Jan.	Not received 26th to 26th Jan.		
			Durbhunga ... {	Durbhunga ...	Nil	0·11	1·04	16th Feb.		
				Mudhoobunnee ...	ditto	0·17	1·07	ditto		
		Tajpore ...		ditto	0·06	0·23	ditto			
		Sarun ... {	Chupra ...	ditto	0·10	1·32	ditto			
			Sewau ...	ditto	0·19	2·05	ditto			
		Champaran ... {	Motiharee ...	ditto	0·25	1·03	ditto			
			Bettiah ...	ditto	0·44	1·15	ditto			
			Segowlie ...	ditto	0·60	1·41	ditto			
		Monghyr ... {	Monghyr ...	ditto	0·25	0·88	ditto			
Begoeserai ...	ditto		1·11	2·03	ditto					
Jamooes ...	ditto		0·53	1·55	ditto					
Bhagulpore ... {	Bhagulpore ...		ditto	0·68	2·09	ditto				
	Soopool ...		ditto	Nil	Nil	ditto				
	Muddehpoora ...	ditto	0·50	0·80	ditto					
	Banka ...	ditto	0·89	2·26	ditto					
	Sonbursa ...	ditto	0·40	0·80	ditto					
Purneah ... {	Purneah ...	ditto	0·58	0·67	ditto					
	Kissengunge ...	ditto	0·33	0·81	ditto					
	Arrareah ...	ditto	0·21	0·40	ditto					
	Sonthal Pergunnahs... {	Nya Doomka ...	ditto	0·12	0·49	ditto				
		Rajmehal ...	ditto	0·80	0·80	ditto				
Deoghur ...		Not recd.	Not recd.	0·58	26th Jan.					
	Godda ...	Nil	0·96	0·96	16th Feb.					

Divisions.	Districts.	Stations.	Rain from 3rd to 9th Feb. 1878.	Rain from 10th to 16th Feb. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	1878.	
		... { Hospital	ditto	Not recd.	0.26	16th Feb.	
		Jajpore	ditto	ditto	Nil	9th "	
		Kendraparah	ditto	ditto	0.30	ditto	
		Jagatsingapore	ditto	ditto	Nil	ditto	
	Poores	False Point	ditto	Nil	0.20	16th Feb.	
		Poores	ditto	ditto	Nil	ditto	
	Balasore	Khurdah	ditto	ditto	0.07	ditto	
		Balasore	0.06	ditto	0.74	ditto	
		Bhadrack	0.03	0.10	0.23	ditto	
		Jellasore	0.20	0.06	1.13	ditto	
	Cuttack Tributary	Sorah	Nil	Nil	0.08	ditto	
		Chandbally	ditto	ditto	0.20	ditto	
	Mehals.	Sambalpur	0.08	Not recd.	0.45	9th Feb.	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh { Jail	0.07	0.20	0.53	16th Feb.	
		... { Dispensary	Nil	0.32	0.59	ditto	
	Lohardugga	Pachamba	ditto	0.04	0.31	ditto	
		Ranchee	0.30	0.05	0.83	ditto	
	Singbhoon	Palamow	Nil	Nil	0.09	ditto	
		Chyebassa	ditto	ditto	1.96	ditto	
	Munbhoon	Purulia	0.80	0.40	1.71	ditto	
		Govindpore	Nil	0.31	0.94	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	ditto	0.91	1.01	ditto	
	Silasagar	Sibsagar	0.42	Not recd.	0.84	9th Feb.	
		Golaghat	Nil	ditto	0.67	ditto	
		Jorhat	0.19	ditto	0.20	ditto	
	Rajpootana	Akyab	Nil	Nil	Nil	16th Feb.	
		Alwar	ditto	0.80	0.80	ditto	
		Jaipur	ditto	0.90	1.29	ditto	
		Sambhar	ditto	Nil	0.10	ditto	

Calcutta,  
The 23rd February 1878.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

Meteorological Telegraphic Report for the period 17th to 23rd February 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	Feb. 17th	10	30.033	30.055	77.0	60.3	30	E by S	3.3	.....	.....	b
	18	10	29.890	29.921	83.4	61.8	33	W by S	4.3	.....	.....	b
	18th	10	30.005	30.027	77.7	61.0	33	N W	2.8	.....	.....	b
	18	10	29.884	29.906	85.7	64.6	27	W by S	4.8	.....	.....	b
	19th	10	29.975	29.997	79.2	71.0	78	S W by W	4.0	.....	FK	c
	18	10	29.887	29.909	89.0	70.0	61	W by N	8.8	.....	.....	c
	20th	10	30.039	30.061	82.2	75.1	71	S W	2.8	.....	.....	b
	18	10	29.907	29.929	90.0	69.3	31	W by N	5.2	.....	.....	b
	21st	10	30.071	30.093	76.0	79.3	81	W	5.3	.....	K	c
	18	10	29.943	29.970	80.0	87.5	54	W	0.3	.....	K	c
	22nd	10	30.002	30.104	80.0	74.7	76	S W	2.5	.....	K, FK	c
	18	10	29.924	29.946	87.1	75	55	S	8.0	.....	.....	b
	23rd	10	30.000	30.022	81.0	73.9	71	S W by W	1.0	.....	K, CS	c
	18	10	29.873	29.895	88.4	71.5	41	W	5.2	.....	.....	b
SAGOR ISLAND.	Feb. 17th	10	30.031	30.037	79	71	66	N W	6.1	.....	PK	b, v
	18	10	29.890	29.902	81	74	70	S S W	5.8	.....	K	b, m
	18th	10	30.010	30.016	73	70	65	S W	2.5	.....	.....	b, m, f
	18	10	29.900	29.906	82	76	75	S	7.2	.....	.....	b, m
	19th	10	29.986	29.992	81	77	83	S W	13.5	.....	FK	b, m
	18	10	29.912	29.918	83	78	79	S S W	15.1	.....	C, FK	b, m
	20th	10	30.050	30.056	81	75	78	S W	10.9	.....	P	b, m
	18	10	29.927	29.933	82	77	79	S	8.7	.....	.....	m, o
	21st	10	30.075	30.081	82	78	83	S W	4.6	.....	C, FK	b, m
	18	10	29.955	29.961	83	77	75	S	7.9	.....	C	b, m
	22nd	10	30.080	30.086	82	77	79	S S W	8.1	.....	PK	b, m
	18	10	29.935	29.941	82	77	79	S S W	10.8	.....	FK	b, m
	23rd	10	30.010	30.016	81	77	83	N W	9.4	.....	C	b, m
	18	10	29.881	29.887	80	70	72	S W	8.5	.....	.....	b, m
CHITTAGONG.	Feb. 17th	10	29.983	30.077	77	73	83	N E by E	6.1	.....	K	b, m
	18th	10	29.928	30.021	81	75	78	W S W	5.4	.....	K	b, m
	19th	10	29.948	30.041	80	76	82	S	7.3	.....	K	b, m
	20th	10	30.005	30.098	81	76	78	S E	4.3	.....	K, FK	b, m
	21st	10	30.023	30.115	82	75	71	Calm	5.8	.....	FK	m
	22nd	10	30.013	30.105	81	72	82	W S W	4.0	.....	.....	m
	23rd	10	29.955	30.048	80	74	74	S S W	4.6	.....	FK	m
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
AKYAB.	Feb. 17th	10	30.078	30.100	77	68	61	N E	2.1	.....	.....	b
	18th	10	30.052	30.074	79	69	58	S S E	2.5	.....	C	.....
	19th	10	30.072	30.094	74	74	82	E	2.1	.....	C	.....
	20th	10	30.087	30.109	81	73	67	E	1.3	.....	.....	b
	21st	10	30.094	30.116	79	71	70	E N E	2.1	.....	.....	b
	22nd	10	30.089	30.111	82	72	60	E N E	2.6	.....	.....	b
	23rd	10	30.062	30.084	79	71	66	E	2.5	.....	.....	b
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CUTTACK.	Feb. 17th	10	29.973	30.056	81	64	35	W N W	1.2	.....	.....	b
	18th	10	29.941	30.023	83	64	30	W S W	1.3	.....	.....	f
	19th	10	29.941	30.023	83	73	60	S W	2.2	.....	.....	b
	20th	10	29.968	30.051	82	75	71	N	3.6	.....	.....	f
	21st	10	29.995	30.077	83	74	63	S S E	1.8	.....	C, PC	c
	22nd	10	29.990	30.072	86	77	65	S W	3.3	.....	C	c
	23rd	10	29.993	30.045	94	74	60	W N W	3.1	.....	.....	b
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
FALSE POINT.	Feb. 17th	10	30.024	30.043	81	75	74	W S W	6.6	.....	PK, CK	b
	18th	10	30.026	30.011	79	65	43	Calm	4.7	.....	.....	.....
	19th	10	30.008	30.023	85	77	68	S S W	6.5	.....	.....	b
	20th	10	30.045	30.060	83	77	70	W S W	7.4	.....	.....	b
	21st	10	30.082	30.097	85	76	64	S W	3.8	.....	C	b
	22nd	10	30.081	30.096	84	76	68	S S W	4.1	.....	C	b
	23rd	10	30.025	30.040	82	76	71	W	6.6	.....	C	b
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
VIZAGAPATAM.	Feb. 17th	10	30.039	30.071	84	75	64	W by N	2.1	.....	.....	b
	18th	10	30.009	30.061	83	70	71	W	2.2	.....	.....	b
	19th	10	30.029	30.061	84	70	68	S W by W	2.5	.....	.....	b
	20th	10	30.018	30.080	84	72	54	W	2.1	.....	.....	b
	21st	10	30.056	30.088	84	75	64	W S W	2.3	.....	.....	b
	22nd	10	30.088	30.120	83	75	67	W by S	2.1	.....	.....	b
	23rd	10	30.029	30.061	84	73	57	W	2.1	.....	.....	b
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MADRAS.	Feb. 16th	10	30.076	30.089	84	75	64	E	4	.....	.....	b
	17th	10	29.944	29.966	85	75	61	S E by E	9	.....	.....	b
	18th	10	30.048	30.070	85	75	61	S by W	6	.....	.....	b
	18th	10	29.913	29.935	85	73	54	E S E	9	.....	.....	b
	18th	10	30.075	30.096	83	74	63	S E by S	4	.....	.....	c
	18th	10	29.841	29.963	86	75	68	E S E	7	.....	.....	b
	19th	10	30.086	30.109	84	73	57	S E by E	7	.....	.....	b, c
	18	10	29.967	29.990	84	73	57	E S E	9	.....	.....	b
	20th	10	30.088	30.121	83	73	60	S S W	5	.....	.....	b
	18	10	29.981	30.003	85	75	61	S E by E	8	.....	.....	c
	21st	10	30.093	30.116	84	74	60	S W by S	5	.....	.....	c
	18	10	29.968	29.991	84	74	60	E S E	10	.....	.....	c
	22nd	10	30.108	30.130	86	75	68	S S W	6	.....	.....	c
	18	10	29.970	29.993	84	74	60	E S E	8	.....	.....	b
COLOMBO.	Feb. 17th	10	29.988	30.029	83	78	79	S E	8.0	.....	C	.....
	18th	10	29.970	30.011	82	77	79	N	3.7	.....	C	.....
	19th	10	30.000	30.041	84	78	75	N	6.4	.....	.....	b
	20th	10	30.023	30.064	83	76	71	N	3.2	.....	C	.....
	21st	10	30.004	30.045	84	76	68	N	4.9	.....	.....	b
	22nd	10	30.018	30.059	82	75	71	E	1.6	.....	C	.....
	23rd	10	29.993	30.034	83	78	79	N	8.8	.....	C	.....

\* Velocity of wind in miles per hour.

JOHN ELIOT, M.A.,

Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd February 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		○	Inches.	• ⊖	⊖	⊖	⊖	⊖	Inches	⊖	%			Inches.	
Feb.	17th	142.7	29.958	69.1	83.6	27.6	56.0	60.2	0.403	53.0	56	Till 10½ A.M. E by S through N W, N and N E; till 3 P.M. S W by S through E, N and W; till midnight N W through W.	85	Nil	Clear, f and w.
"	18th	142.7	930	71.1	86.0	28.6	57.4	61.3	.411	53.5	53	N W and W by S.	96	"	Clear and w.
"	19th	142.9	931	70.9	83.8	23.3	65.5	71.6	.708	68.8	76	W by S and S W.	118	"	Chiefly clear, f and w.
"	20th	150.7	972	70.7	90.3	17.3	73.0	73.0	.723	69.5	71	S W, W by S and S W by W	93	"	Partially cloudy.
"	21st	148.7	999	70.8	88.5	20.6	67.9	70.8	.674	67.5	73	Till 3½ P.M. N N W through W and N W; till midnight S W by S through N W and W.	104	"	Morning clear, day partially cloudy, night clear, f and w.
"	22nd	144.2	985	77.3	88.6	18.1	70.5	73.4	.770	71.4	82	W, S W by S and S.	...	"	Chiefly cloudy, t, l, h and p.
"	23rd	147.0	929	78.6	89.0	22.1	68.9	72.0	.690	68.6	72	Till 11 A.M. N through S W, W and N W; till midnight S W by W through N W and W.	...	0.43	Chiefly clear.

The mean pressure of the seven days	...	...	Inches.
The average pressure of the corresponding period for 25 years	...	...	29.958
			⊖
The mean temperature of the seven days	...	...	75.6
The average temperature of the corresponding period for 25 years	...	...	74.2
The extreme variation of temperature during the seven days	...	...	34.3
The maximum temperature during the seven days	...	...	90.3
			%
The mean relative humidity during the seven days	...	...	69
The average relative humidity of the corresponding period for 25 years	...	...	66
			Inches.
The total fall of rain from 17th to 23rd February 1878	...	...	0.43
The average fall of the corresponding period for 25 years	...	...	0.22
The total fall from 1st January to 23rd February 1878	...	...	0.54
The average fall of the corresponding period for 25 years	...	...	1.42

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph. The mouth of the rain-gauge is one foot above the ground.

f foggy, w dew, t thunder, l lightning, s strong wind, h hail, p passing temporary showers,

\* Fell at 8.48 P.M. of the 22nd.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Government of Bengal.  
METEOROLOGICAL OFFICE, INDIA,  
The 25th February 1878.

Reports of Fluctuation of Traffic on the East Indian Railway from  
1st to 26th January 1878.

EAST INDIAN RAILWAY TRAFFIC MANAGER'S OFFICE, JAMALPORE, THE 15TH FEBRUARY 1878.

Remarks on Traffic of East Indian Railway from 1st to 26th January 1878.

THE approximate figures are—

			Coaching.		Goods		Total.
			Nos.	Rs.	Mds.	Rs.	Rs.
1878	...	...	448,389	6,60,133	56,15,181	21,42,979	28,03,112
1877	...	...	522,408	10,56,038	50,58,444	20,53,334	31,09,392
Increase	...	...	...	...	5,56,737	89,025	...
Decrease	...	...	74,079	3,95,905	...	...	3,06,280

The coaching traffic in January 1877 was exceptional of course, the imperial assemblage at Delhi having broken up in that month.

In merchandise traffic the increase of weight carried is 11 per cent., that in earnings only 4 per cent., but even this must be considered very satisfactory, looking at the special circumstances of the two years.

In January 1877 the bulk of the traffic reaching us from Oudh and Rohilkund *via* Cawnpore and Benares, and also from Sind, Punjab, and Delhi *via* Ghazeeabad, was either for Howrah or *via* Jubbulpore; this year nearly all the traffic from Sind, Punjab, and Delhi is for Oudh and Rohilkund *via* Allypore, a run of 66 miles only over this line, while that from Oudh and Rohilkund is trifling in comparison, as the following will show:—

			<i>Via</i> Ghazeeabad.	<i>Via</i> Cawnpore.	<i>Via</i> Benares.
			Tons.	Tons.	Tons.
1877	...	...	4,000	6,400	2,450
1878	...	...	17,500	1,150	850

The principal variations are in—

Increases.			
Coal.	Iron.	Foreign railway material	Seeds.
Gunny.	Jaggree.	Salt.	Timber.
Hides.	Opium.	Saltpetre.	Tobacco.
Indigo.			
Decreases.			
Commissariat beer.	Cotton.	Piece-goods.	Sugar.
Betel-nuts.	Government stores.	Stone.	Tea.

While edible grains show an increase in weight and decrease in earnings, and will be dealt with separately.

Increases.			
Coal—Upward	...	Mds.	+ 34,323
Downward	...	"	— 7,004
Net increase	...		27,319
			Rs. + 28,930
			— 4,895
			24,035

The increase in upward coal lies with the Kurhurballee fields, and has been mainly in coal for the Sind, Punjab, and Delhi Railway.

The apparent decrease in down coal arises from dealing with a period a day shorter than last year's, the daily average being—

1877	...	Mds.	10,19,600 =	Mds.	37,763
			27		
1878	...	"	10,12,600 =	"	38,950
			26		

or an increase of 1,187 maunds per day.

Hides	...	Mds.	32,458	Rs.	37,566
-------	-----	------	--------	-----	--------

This traffic has been exceptionally large for some time past; the weight carried in second half of 1877 was 12,000 tons, as against 9,000 in 1876 and 7,750 tons in 1875. The export demand is heavy, and good supplies in the North-Western Provinces.

Indigo	...	Mds.	26,732	Rs.	29,998
--------	-----	------	--------	-----	--------

This is entirely in Tirhoot indigo for the Calcutta market. The total outturn has been unusually heavy, the selling price fully Rs. 50 per maund below last year's rates, and the export market consequently active.

Jaggree	...	Mds.	18,208	Rs.	3,308
---------	-----	------	--------	-----	-------

There has been considerable demand this year from the Great Indian Peninsula Railway districts, which Behar has supplied.

Salt	...	Mds.	60,059	Rs.	15,591
------	-----	------	--------	-----	--------

This is a recovery from a specially low state of trade at Howrah in January 1877 remarked on in my report for that month.

Saltpetre	...	Mds.	57,459	Rs.	17,608
-----------	-----	------	--------	-----	--------

The export market has had another sudden impulse and supplies have come forward readily.

Seeds	...	Mds.	1,39,932	Rs.	53,910
-------	-----	------	----------	-----	--------

Of this increase in weight 50,000 maunds lies with Patna and 66,000 maunds with Cawnpore.

Tobacco	...	Mds.	6,905	Rs.	4,296
---------	-----	------	-------	-----	-------

This, as for some months, has had the double stimulus of excellent crops in Tirhoot and a failure in Rohilkund, thus providing both a large supply and a market to send it to.

The important feature remaining to be dealt with is *food grain*, and the following table shows the increase or decrease (in tons) of each of the great branches into which we divide this staple :—

Increase.				Decrease.			
		Tons.	Rs.			Tons.	Rs.
Barley and oats	...	3,090	8,700	Wheat	...	5,900	1,70,600
Common grains	...	5,900	60,200	Rice	...	8,900	.....
Rice	...	...	32,200				
Pulses	...	13,000	51,600	Total	...	11,800	1,70,600
Total	...	21,900	1,52,700				

Net increase in weight ... Tons 7,100

Net decrease in earnings ... Rs. 17,900

The decrease in earnings, it will be seen, is entirely with wheat; and the figures of traffic from the O. & R. and S. P. D. Railways, which were referred to in an early page of this report, will show how this arises.

At this moment in fact the great wheat-producing districts of Rohilkund and Western Oudh are suffering from scarcity which I fear is for the time very severe.

What are our prospects of export trade in wheat this season it is still very difficult to say; but at present there is no export at all. The last quotation in the Bengal Chamber of Commerce circular is—

“Quotations quite nominal, the supply of good quality being exhausted.”

The shipments of wheat from Calcutta to the United Kingdom from 1st January to 7th February were—

1877	...	...	...	...	12,108 tons,
1878	...	...	...	...	6,881 "

the trans-Ganges districts of Bengal being still able to furnish their quota, although the North-Western Provinces, whence our wheat traffic should flow, are starved.

In rice, on the other hand, with 25 per cent. less weight, we earn 16 per cent. more money, the demand for Beerbhoom and Bhagulpore rice being upward instead of over the short lead to the port.

*Barley.*—The increase in this is, as in previous months, in traffic from S. P. and D. to O. and R. *via* Gazeabad and Allyghur, and does not add much to revenue, while with

*Pulses*, of the 13,000 tons increase 9,000 is in the same traffic (S. P. and D. to O. and R.); earnings, like the barley, only about two annas a maund.

It is in this way that the falling off of 6,000 tons of wheat leaves a heavy deficit in earning against an increase of nearly 20,000 tons of other food-grains, even putting rice, with its longer lead, out of the question

#### Decreases.

Commisariat beer	...	...	Mds. 2,436	Rs. 6,103
Government stores	...	...	" 4,939	" 9,365

Which require no remark from me.

Betel-nuts	...	...	Mds. 3,233	Rs. 3,996
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A small set off against the large increases in 1877

Cotton	...	...	Mds. 79,012	Rs. 1,18,886
--------	-----	-----	-------------	--------------

Less than 300 bales of cotton have reached Howrah during the whole month.

There is, as remarked in recent reports, really no cotton available for despatch in the usual exporting districts owing to the serious failure of crops.

Piece-goods	...	...	Mds. 18,451	Rs. 30,242
-------------	-----	-----	-------------	------------

The decrease in weight corresponds almost exactly with the increase in the previous month.

The decrease in money is large, and this is due to the altered position of the population in the North-Western Provinces, where famine prices are ruling with great rigour and there is little trade doing.

It will be noticed that there is an increase of 3,000 maunds in cotton twist to set against this.

Sugar	...	...	Mds. 17,071	Rs. 12,176
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I could say nothing here that would not be a repetition of my remarks in my December report. There has been a serious failure of crop in Rohilkund, and the French market does not offer the inducements it did last year.

The train mileage for the period has been—

		Coaching.	Goods.	Total.
1878	...	172,834	3,99,250	5,71,084
1877	...	218,550	3,82,730	6,01,280
Increase	...	...	15,511	...
Decrease	...	45,716	...	30,205

#### EARNINGS PER TRAIN MILE.

		Coaching.	Goods.	Total.
		Rs. A. P.	Rs. A. P.	Rs. A. P.
1878	...	3 13 1	5 0 1	4 14 8
1877	...	4 13 4	5 5 10	5 9 9
Increase	...	...	0 0 3	...
Decrease	...	1 0 3	...	0 4 3

The very high coaching mileage earnings in 1877 was due to the number of special trains run in connection with the imperial assemblage.

The goods mileage earnings has kept up most satisfactorily.

On the Jubbulpore line the traffic has been—

		Coaching.		Goods.		Total.
		Mds.	Rs.	Mds.	Rs.	Rs.
1878	...	25,854	79,748	6,18,012	1,79,521	2,59,269
1877	...	35,930	1,79,852	8,36,005	2,15,193	3,95,045
Increase	...	...	...	...	...	...
Decrease	...	10,076	1,00,104	2,17,993	35,672	1,35,776

The coaching figures are lower than in 1877 of course, because all the notabilities of Western India, with their followers, body guards, studs, and carriages, travelled over this line in January 1877 on their return from the Delhi assemblage.

The merchandise traffic is also considerably lower than in 1877, when the export of grain from the North-Western Provinces Oudh, Rohilkund, Rajputana, and the Punjab, to the distressed districts of Southern and Western India was in full flow; but the statement of Jubbulpore line train mileage which is given below will show that every means has been taken to work economically, and that the earnings for goods train mile have been—

			Rs. A. P.
1877	...	...	3 9 0
1878	...	...	4 8 3
JUBBULPORE LINE TRAIN MILEAGE.			
		Coaching.	Goods.
1878	...	18,898	39,705
1877	...	24,429	60,404
Increase	...	...	...
Decrease	...	5,531	20,729

J. C. BATCHELOR,  
Traffic Manager.

MAIN LINE.

Statement showing the Totals and Increases and Decreases of Staples during three weeks and five day ending 26th January 1878.

STAPLES.	WEIGHT		AMOUNT.		INCREASES AND DECREASES.			
	187.	1878.	1877.	1878.	Increase.		Decrease.	
	Mds.	Mds.	Rs.	Rs.	Mds.	Rs.	Mds.	Rs.
Beer, Commissariat	7,307	4,871	7,256	853			2,436	6,403
" not Commissariat	4,368	4,156	5,016	5,939	88	321		
Beet-nuts	13,861	10,630	16,179	12,183			3,233	3,096
Boots and shoes	1,939	2,682	3,235	4,574	733	1,379		
Brass and brassware	10,779	12,088	8,773	10,031	2,303	1,258		
Bricks	3,921	3,921	1,190	1,190				
Coal, up	3,76,882	3,61,205	1,19,719	1,48,649	34,323	24,930		
" down	10,00,766	10,12,572	1,19,610	1,38,715			7,001	4,405
Copper	8,563	8,510	14,758	12,732	6			2,006
Cotton	1,07,015	28,003	1,57,970	39,084			70,042	1,18,996
" twist	6,671	9,691	7,755	10,894	3,018	3,130		
Dyewood	3,881	3,114	5,232	2,970			707	273
Empty coops, &c.	2,571	3,779	2,586	3,134	1,203	552		
Firewood	8,011	12,446	175	833	4,435	158		
Fruits	20,515	17,624	15,086	13,737			2,891	1,040
Glass and glassware	2,439	2,016	5,095	5,351		236	413	
Ghee and oil	30,562	37,105	37,322	35,132	6,543			2,190
G. H. T. packages	3,218	2,094	6,524	4,980			1,144	1,539
Government Commissariat stores	9,911	11,900	7,005	11,012	1,959	4,007		
" Ordnance stores	10,119	8,251	17,638	4,266			6,898	13,372
" Barley	1,110	88,372	267	11,468	67,232	11,201		
" Oats	25,657	19,784	7,306	4,815			6,873	2,491
GRAIN, EDIBLE, AND PULSES.	9,90,144	7,46,661	1,04,900	2,27,135		32,226	2,43,470	
" Rice	3,17,170	1,57,067	2,04,714	30,170			1,60,289	1,70,694
" Wheat	4,31,280	5,91,211	1,12,508	1,72,406	1,59,961	60,158		
" Other grains	1,65,198	5,17,703	81,751	1,08,364	3,57,597	51,613		
" Pulses of all kinds	48,030	67,506	31,739	43,371	19,476	8,645		
Gunny	50,115	8,105	30,918	68,483	37,454	37,565		
Hides and horns	14,481	41,213	19,017	49,615	26,732	29,909		
Indigo	47,693	81,213	51,847	90,374	33,540	47,447		
Iron	1,32,916	1,51,163	20,143	32,451	18,208	3,309		
Jaggree	30,592	33,713	15,253	16,006	8,121	753		
Lac	13,818	36,476	3,382	6,913	22,658	8,531		
Minerals	4,362	6,538	1,172	1,115	2,176			57
Mowah flower	7,779	5,597	3,343	1,277			1,433	2,071
Oil-cake	11,112	51,679	14,054	63,659	40,267	40,605		
Opium	5,192	2,747	6,727	5,989			2,355	738
Paper	1,24,804	1,00,330	1,52,491	1,21,940			18,454	30,242
Piece-goods	2,709	3,380	429	1,009	680	680		
Railway materials, construction account	57,911	71,816	53,404	67,489	13,875	13,903		
" foreign	14,235	22,253	4,611	10,390	8,018	5,749		
Roads	2,50,394	3,10,467	63,204	78,795	60,059	16,591		
Salt	70,795	84,254	10,587	27,973	67,459	17,008		
Saltpetre	3,21,200	4,61,132	1,55,821	2,09,731	1,38,912	53,910		
Seeds	1,954	2,231	2,300	2,362	273	62		
Silk	7,004	5,816	10,263	8,061			1,188	2,202
Spelter	8,192	11,090	7,916	12,434	2,898	4,518		
Spices	77,171	67,209	10,273	7,215			19,902	3,058
Stones	91,698	74,537	34,109	21,933			17,071	12,176
Sugar	6,604	4,164	9,094	5,252			2,440	3,842
Tea	21,719	22,105	7,073	13,831	386	6,558		
Timber	6,280	12,194	3,893	8,189	6,903	4,296		
Tobacco	6,330	4,734	3,648	2,779			1,596	909
Turnsole	6,350	6,445	14,249	16,029	76	780		
Wines	1,23,179	1,14,507	1,44,477	1,19,031			8,812	25,446
Miscellaneous								
Total	50,58,444	56,15,181	20,53,354	21,42,979	11,43,506	4,98,970	5,56,769	4,09,345

Report of Fluctuation of Traffic on the Tirhoot State Railway for the Month of January 1878.

TIRHOOT STATE RAILWAY.

INCREASES.

Food-grains	Mds. 50,766
The increase in this particular staple is owing to the abundant harvest in Tirhoot and to the scarcity in the North-Western Provinces.	
Hides and horns	" 1,920
This increase is attributable to the demand in the market; and as the hides from this district are of a superior quality, this traffic promises well.	
Indigo	" 2,968
This increase is owing to a good season and to opening out of the Mozufferpore extension and to through booking with East Indian Railway.	
Iron	" 2,894
This has principally been for the requirements of the several indigo factories, and has been diverted from the rivers to the railway.	
Piece-goods	" 5,666
This increase is principally due to through booking with East Indian Railway.	
Seeds--Indigo	" 6,134
This was an early consignment for the Sakra district. This is entirely owing to through booking with East Indian Railway.	
Oil-seeds	" 25,942
This increase is attributable to the development of the system and to through booking.	
Salt	" 13,338
This traffic is steadily increasing, and has been diverted from the rivers in many cases	
Saltpetre	" 20,724
This increase is due to the demand in the market and to the opening out of the Mozufferpore extension and through booking with East Indian Railway.	
Tobacco	" 4,487
This staple shows a satisfactory increase owing to the healthy state of the plant grown in Tirhoot and the great demand for it.	
All other goods	" 3,203
The increase is due to through booking with East Indian Railway.	



DECREASES.

Railway materials  
Owing to completion of the line. ... Mds. 7,926

SOMASUPORE,  
The 13th February 1878.

W M JOHNSTON,  
Asst. Traffic Supdt., Tirhoot State Railway.

## TIRHOOT STATE RAILWAY.

Statement showing Increases and Decreases in Maudage of Staples carried over the line during the month of January 1878.

STAPLES.	1877.		1878.		1877.	1878.	Increases.	Decreases
	Up.	Down.	Up.	Down.	Total.	Total.		
Food-grains ...	6,216	9,914	10,644	56,252	16,130	66,896	50,766	...
Hides and horns ...	...	1,740	500	3,100	1,740	1,740	1,020	...
Indigo ...	769	6,984	...	10,120	7,152	10,120	2,968	...
Iron ...	1,055	510	4,905	210	1,521	4,415	2,894	...
Piece-goods ...	19	...	5,658	27	19	5,685	5,666	...
Railway materials ...	6,555	1,911	540	...	8,466	540	...	7,926
Seeds—Indigo ...	2,042	143	2,262	6,057	2,185	8,319	6,134	...
—Oil ...	...	1,291	86	27,117	1,291	27,203	25,912	...
Salt ...	812	63	14,283	...	895	14,283	13,388	...
Saltpetre ...	...	919	3,438	18,205	919	21,643	20,724	...
Tobacco ...	...	335	735	4,087	835	4,822	4,487	...
All other goods ...	8,216	6,139	10,254	7,603	14,655	17,857	3,202	...
	25,964	29,314	52,605	1,32,838	57,278	1,85,443	1,38,061	7,926
Increase ...	...	...	...	...	...	55,278	7,926	...
						1,30,165	1,30,165	...

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 16th February 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts,		Weight carried.	Receipts.		Coach-ing.	Merchan-dise.		Total		
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.					£ s. d.	
Total traffic for the week ...	143,982½	2,09,556 11 0	19,172 13 11	16,41,294 0	5,59,827 5 6	50,146 13 5	7,59,184 0 6	47,062	113,689½	160,751½		
Or per mile of railway ...	...	63 7 0	14 19 7	...	430 0 5	39 8 5	593 7 5	...	...	...		
For previous 6 weeks of half-year ...	711,941½	10,32,727 12 0	100,106 14 3	57,30,468 30	32,10,522 8 9	294,297 18 0	43,03,259 4 9	26,894½	619,455½	885,350		
Total for 7 weeks	855,723½	12,42,284 7 0	119,298 8 8	1,03,71,810 30	37,60,349 14 3	314,714 11 5	50,62,744 5 3	312,956½	734,146½	1,046,101½		
COMPARISON.												
Total for corresponding week of previous year ...	144,310	1,96,349 15 5	17,998 14 11	13,16,018 20	5,57,175 11 9	51,074 8 10	7,53,525 11 2	44,420	99,004	143,424		
Per mile of railway, corresponding week of previous year ...	...	153 6 10	14 1 4	...	435 6 1	39 19 2	588 12 11	...	...	...		
Total to corresponding date of previous year ...	961,194½	16,87,672 7 6	54,519 10 6	87,66,954 20	36,77,489 12 11	327,103 4 8	53,61,162 4 6	353,583	687,482	1,043,066		

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 16th February 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	7,228	29,683 9 0	1,895 10 10	1,48,318 10	39,976 11 0	3,659 14 11	60,610 4 0	5,410½	10,962½	16,372½
Or per mile of railway ...		92 7 1	8 9 5		174 7 1	16 7 2	270 14 2			
For previous 6 weeks of half-year	41,814½	1,29,206 7 6	11,852 3 0	9,46,594 0	2,78,251 7 0	25,019 1 0	4,02,547 14 6	28,134*	62,704*	90,834
Total for 7 weeks	49,042½	1,39,289 0 6	13,748 3 4	10,91,912 10	3,18,178 2 0	28,707 13 11	4,63,158 2 6	33,514½	73,666½	107,210½
COMPARISON.										
Total for corresponding week of previous year	7,336½	23,672 8 0	2,169 19 7	2,53,837 10	67,952 11 0	6,148 9 11	90,723 3 0	4,899	10,199	24,098
Per mile of railway, corresponding week of previous year	.....	105 12 9	9 13 11	.....	299 10 10	27 9 5	405 7 7	.....	.....	.....
Total to corresponding date of previous year	59,384½	2,53,694 14 5	23,253 7 4	15,39,338 30	4,01,619 0 0	36,817 16 6	6,55,343 14 5	39,439	108,214	147,653

\* Added miles 526½ to coaching, and deducted 1,612½ from merchandise short and excess included to week ending 26th January 1878.

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 16th February 1878 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC				Total receipts.
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts				
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.		£ s. d.	£ s. d.
Total traffic for the week	41,889½	39,261 15 6	3,599 0 3	2,17,062 20	47,619 10 8	4,367 17 9	7,966 18 0		
Or per mile of railway	265	244 1 7	22 14 10	1,371 26	301 1 8	27 12 0	60 6 10		
For previous 6 weeks of half-year	211,880	1,53,739 3 8	14,277 19 6	11,24,571 10	2,89,593 15 1	26,516 2 4	40,824 0 10		
Total for 7 weeks	259,269½	1,95,021 3 2	17,876 19 9	13,14,633 30	3,37,213 9 9	30,914 0 1	48,700 18 10		
COMPARISON.									
Total for corresponding week of previous year	36,067½	28,436 9 10	2,611 5 6	1,97,591 12	36,183 11 8	3,716 16 10	5,928 2 4		
Per mile of railway, corresponding week of previous year	228	180 0 2	16 10 0	1,27 14	224 10 5	20 10 3	37 9 3		
Total to corresponding date of previous year	247,094½	1,81,036 13 8	16,599 12 5	12,26,430 6	2,52,931 12 8	23,185 12 0	39,785 4 5		

## TIRHOOT STATE RAILWAY.

*Approximate Return of Traffic for week ended 9th February 1878 on 79 miles open.*

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Receipts.
		Rs. A. P.	£ s. d.		Rs. A. P.	£ s. d.	
Total traffic for the week	9,250	3,790 8 0	379 1 0	30,500 0	4,402 12 9	440 5 6	819 5 6
Or per mile of railway	120	47 10 0	4 15 3	389 0	55 14 3	5 11 9	10 7 0
For previous 4 weeks of half-year	27,150	13,612 0 0	1,361 4 0	98,395 0	11,247 6 0	1,124 14 9	2,435 18 9
Total for 5 weeks	36,400	17,402 8 0	1,740 5 0	1,28,845 0	16,750 4 0	1,575 0 3	3,315 5 3
COMPARISON.							
Total for corresponding week of previous year, opened 46 miles	2,866	1,145 3 3	114 10 5	12,600 29	1,068 5 3	101 10 7	221 7 0
Or per mile of railway, corresponding week of previous year	61	24 12 0	2 9 6	275 0	23 2 0	2 6 3	4 15 9
Total to corresponding date of previous year	12,164	4,963 14 9	496 7 9	66,200 0	8,782 11 2	877 15 3	974 3 0

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

*Approximate Return of Traffic for week ended 16th February 1878 on 28 miles open.*

		Rs. A. P.		£ s. d.		Mds. s.		Rs. A. P.		£ s. d.		£ s. d.	
Total traffic for the week	10,061	1,797 0 0	179 14 0	27,300 0	950 0 0	95 0 0	274 14 0						
Or per mile of railway	359	64 0 0	6 8 0	777 0	34 0 0	3 8 0	9 16 0						
For previous 6 weeks of half-year	51,940	9,441 0 0	944 2 0	1,34,254 0	4,617 9 0	461 14 0	1,405 10 0						
Total for 7 weeks	61,991	11,228 0 0	1,123 10 6	1,60,618 0	5,577 0 0	556 14 0	1,680 10 0						
COMPARISON.													
Total for corresponding week of previous year	10,469	1,519 4 0	151 18 6	16,151 35	543 0 6	54 6 1	206 4 7						
Per mile of railway, corresponding week of previous year	388	54 4 1	5 8 6	576 34	19 6 3	1 18 9	7 7 3						
Total to corresponding date of previous year	73,649	10,013 10 3	1,001 17 3	1,11,454 26	4,904 1 10	490 8 3	1,402 5 6						





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 6, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 23rd February 1878.*

### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,  
The Hon'ble G. C. PAUL, *Acting Advocate-General*,  
The Hon'ble H. J. REYNOLDS,  
The Hon'ble A. MACKENZIE,  
The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
The Hon'ble RAJAH PRAMATHA NATHA ROY, BAHADOOR.  
The Hon'ble BABOO MOHINI MOHAN ROY,  
and  
The Hon'ble AMEER ALI.

### NEW MEMBERS.

The Hon'ble BABOO MOHINI MOHAN ROY and the Hon'ble MR. AMEER ALI took their seats in Council.

## POWERS OF SETTLEMENT OFFICERS AS TO ENHANCEMENT OF RENT.

The HON'BLE MR. REYNOLDS moved that the Bill to define and limit the powers of settlement officers in respect to the enhancement of rent be further considered in order to the settlement of its clauses.

The motion was agreed to, and the clauses of the Bill were settled without further amendment.

The HON'BLE MR. REYNOLDS then moved that the Bill be passed, and in doing so he said that it was a very short and unpretending measure; but he believed its operation would be beneficial, and would be calculated to remove some practical difficulties which had been felt in the conduct of settlement operations.

It might be thought that those operations were confined to so small a class of estates that no measure for their regulation could be of any great importance, or of any general interest. But it would be an easy matter to give the Bill a much wider operation than it had at present. It might be enacted that a zemindar who desired to make a re-settlement of his estate should be at liberty to apply to the Collector for the purpose, and that the Collector should thereupon be authorized to draw up a jumma bandi, and to exercise all the powers conferred by law on an officer conducting a settlement. He believed he was authorized to say that if the zemindars of Bengal generally expressed a wish for such an extension of the law, the Executive Government was prepared to consider the proposal favourably. It might be found that a measure of that kind would afford a practical solution of a question which had been much discussed during the last two years, viz. the determination of the landlord's share in the increased value of the produce of land. The law would not indeed directly determine that share; but it might be found that both parties would be willing to accept the Collector as an arbitrator, and to agree to a re-settlement on the terms which he might ascertain to be fair and just between them. It was sometimes a subject of complaint that, under the existing law, the zemindar who desired to enforce the re-settlement of rents on his estate through the agency of the courts got a great deal of law but very little justice, and MR. REYNOLDS was not prepared to say that there was no foundation for such a complaint. But it seemed likely that this objection would be removed if the conduct of these inquiries were transferred to a Government settlement officer; and he believed that such a change would be acceptable to the zemindar, and not inequitable to the ryot, for the officers of Government were always scrupulously regardful of the rights of the cultivators. It was therefore possible that this measure might eventually have a wider application than at present. But at present only those classes of estates which fell under the operation of Regulation VII of 1822, namely, estates which were the property of Government, and estates belonging to private persons, but not under permanent settlement, would come under the operation of this Bill. With these remarks he moved that the Bill be passed.

The motion was agreed to and the Bill passed.

## SUITS BETWEEN LANDLORDS AND TENANTS IN CHOTA NAGPORE.

The HON'BLE MR. REYNOLDS said that in presenting the report of the Select Committee on the Bill to amend the procedure in suits between landlords and tenants in Chota Nagpore he had very little to say. The Select Committee had made very few changes in the Bill, and the changes which they had made were of little importance. The most considerable change which had been made was in sections 90 and 91, by which the Deputy Commissioner was empowered to determine the rate of interest which should run on the amount of compensation awarded by the court, the rate of such interest being fixed at twelve per cent. by Bengal Act VI of 1862, from which the provision was borrowed.

With regard to the amendments which had been placed on the notice paper, MR. REYNOLDS wished to reserve his remarks upon each particular amendment until it was brought forward. But with regard to their general tenor and scope, he might be permitted to say that the hon'ble members who had proposed those amendments seemed to him to have overlooked or forgotten the fact that in passing a rent law for Chota Nagpore, the Council was legislating for a province

of which the conditions were in many respects of a special and exceptional character. It was not as if the Council had a *tabula rasa* before them. They were not at liberty to proceed upon abstract principles, and to lay down the best law possible, and then to frame the details of their measure in accordance with that ideal. If they wished their legislation to be successful, they had to consider not only what was theoretically good, but what was actually practicable, and these considerations, he thought, had not been attended to in regard to some of the amendments. The principle which had guided the Select Committee in revising the Bill was that, when they came to any section which appeared to be of a peculiar character, as for instance such sections as 19 and 20, they referred to the opinions of the local officers, and where they found a strong and general consensus of opinion in favour of a particular wording of the law, they thought themselves bound to accept that opinion. He hoped that the same principle would be accepted by the Council in settling the clauses of the Bill.

The HON'BLE BABOO ISSER CHUNDER MITTER said that, as a member of the Select Committee, he was responsible to some extent for the shape which the Bill assumed. The law in force in Chota Nagpore was Act X of 1859, Bengal Act VI of 1862, and its amending Act, but in adapting that law to the particular requirements of the province of Chota Nagpore, the Committee had in view the circumstances of the people and the peculiar nature of the tenures which were there extant, such as the *bhuinhari* and *mujjhus* tenures. In Select Committee he had suggested some improvements, bearing in view the discussions which had taken place in regard to the improvement of the substantive rent law. He was willing to excise the warrant clauses of the Act, or rather the clauses which related to arrest before judgment,—a matter upon which there had been a strong expression of opinion by Rajah Digumber Mitter and his hon'ble friend opposite (Baboo Kristodas Pal). He also agreed with his hon'ble friend as to the necessity of an amendment of the law in regard to instalments of rent falling due, in reference to the quarterly kists for the payment of revenue, regarding which the hon'ble member on his right (Mr. Mackenzie) expressed his opinion during the early discussions on the rent law. But it was considered inexpedient to attempt to introduce these improvements in a less advanced portion of the country, such as Chota Nagpore, before they were made in the more civilized and advanced districts of Bengal Proper; and, under these circumstances, the Bill was framed so as to adapt it to the circumstances of Chota Nagpore without any attempt to introduce such improvements. The sense of the Council, he thought, might be taken whether it was proper to make such improvements in this Bill in the present state of the country to which it was to apply, or to wait until they had been introduced in the older provinces where they were more needed.

The motion was agreed to.

The HON'BLE RAJAH PRAMATHA NATHA ROY moved the introduction of the following section after section 10:—

“Every ryot is entitled to receive a correct copy of the account showing his liabilities and payments as kept in the *sherista* of the person to whom his rent is payable within a month after the commencement of the zemindari year.”

He said that the system of accounts to which he referred was kept in all estates; they were kept in the form of a book, a page of which was assigned to every tenant. In it was entered the rent for which the ryot was liable for the whole year, and the amounts which he paid in on different dates were entered side by side. This account was known in different places under different names, and were more or less varied in form. But in substance it was everywhere the same. From these accounts the jumma-wasil-baki papers were afterwards prepared; they were an indispensable companion to the *gomasta*, and without them the zemindar's work could not get on. In cases for the realization of rent, where pottas and kuboolcuts existed, it was very easy to find out what the rents were. But where they did not exist—and they did not exist in most places—the courts found a good deal of difficulty in ascertaining the actual amount of the jumma; and ryots in such cases generally pleaded that they had been sued for a higher jumma than what they ought to pay. The ryot had no paper in his possession to prove satisfactorily what the actual jumma was, and his only chance of success lay in his being able to raise a doubt as to the correctness of the zemindar's papers; and if he succeeded in raising a doubt in the mind of the judicial officer as to the trustworthiness of those papers,

the zemindar would have no chance of getting a decree. But if he could not do so, then the jumma claimed would be decreed. Hence it was that injustice was often done in these cases. Now, if a copy of these accounts were furnished to the ryot, he would be in a position and therefore expected to show what the actual jumma was; and if the zemindar sued him for rent which he knew he ought to pay, he would think twice before he objected to pay it. RAJAH PRAMATHA NATHA ROY thought therefore that, for the ends of justice, it would be convenient if a copy of this account were furnished to the ryot, and he therefore moved the amendment.

The HON'BLE MR. REYNOLDS said he could not accept the amendment. When it proposed to enact that every ryot was entitled to receive an account of the rent due from him and the payments made by him, it implied that the zemindar should furnish the account. From what he knew of the province of Chota Nagpore, he questioned much whether such an enactment would be practicable or workable. It would be difficult to work such a provision in the district of Hazareebagh, it would be still more difficult in Lonardugga, and almost out of the question in Singbhoom. He would further ask the hon'ble member to consider who were the ryots to whom these accounts were to be rendered; for it would be utterly useless to present a ryot whose language was Kole or Manda with a paper written in Bengalee, and to tell him that it was a statement of his account with his zemindar. The amendment seemed to MR. REYNOLDS to assume the existence of a state of things which did not exist in the province for which the Council was legislating; he therefore hoped that the Council would not agree to the amendment.

The HON'BLE THE ADVOCATE-GENERAL said the amendment appeared to him to be impracticable, having regard to the position and character of the ryots in Chota Nagpore. He would have left this amendment alone, but that he perceived that most of the other amendments of which the hon'ble members opposite had given notice depended on the same condition, namely, an advanced state of society which did not exist in the places to which this Bill would apply. He thought that under section 5 every ryot was entitled to receive a potta, and when he received his potta he would know the amount of rent he had to pay. He did not think it fair to ask the zemindar to keep the ryot's account for him. If, however, this amendment stood by itself, THE ADVOCATE-GENERAL would probably have offered no objection to it; but it seemed the commencement of a series of amendments which sought to import into the Bill principles which could not be carried out. The Council had already heard the remarks made by one of the hon'ble gentlemen who sat in Select Committee on this Bill, which showed that it would be better to wait for the general amendment of the rent law than to introduce a new system in a province which was the least adapted for the experiment, and he thought therefore it would be better to wait and see first how far the substantive law could be amended.

The HON'BLE BABOO KRISTODAS PAL was afraid that the object of the hon'ble mover of the amendment had not been fully understood. He believed his hon'ble friend intended to introduce this system for the protection of the ryot. It was well known that the zemindar kept papers showing the account of each ryot, and if a copy of that account was furnished to the ryot, he could produce it in court and remove all doubts as to the amount of rent due by him. Considerable misunderstandings and disputes arose in consequence of the unsatisfactory nature of the papers produced as to the amount of rent payable by the ryot and the payments made by him. The system contemplated by the amendment was analogous to the *hath chitta* system which existed in respect to dealings with petty traders and artisans: it showed the account of the persons in dealing and the payments made from time to time, so that, when it was produced before the court, it could at once see how far the account was correct. The amendment was based on that principle; and if it were introduced generally, it would remove one great source of litigation regarding the recovery of arrears of rent.

The HON'BLE MR. REYNOLDS remarked that when the hon'ble mover of the amendment stated that every zemindar kept these accounts, he was no doubt alluding to Rajshahye and the Central Provinces of Bengal generally, not to Chota Nagpore. MR. REYNOLDS believed that the introduction of the proposed provision would put the zemindar to considerable expense and trouble, and would practically afford no protection to the ryot.

HIS HONOR THE PRESIDENT said he must express his entire concurrence in the remarks which had been made by the hon'ble member on the right (Baboo Isser Chunder Mitter), who had given great attention to this Bill. He was just as anxious as any other member of the Council to see a good rent law passed for Bengal, but he must point out, and he hoped his hon'ble friend would admit, that this was not the time, nor the present Bill the place, to introduce experimental amendments of this sort. He saw that there were on the notice paper a number of amendments relating to questions of principle, connected with the rent law which were still undetermined, and which were the subject of discussion even amongst the many classes of zemindars who were interested in them. Although many of the amendments of which notice had been given might be most proper and desirable if introduced into a general Rent Bill for Bengal, and no doubt would be introduced when the question came to be discussed, His Honor thought they were not proper amendments to propose with regard to a Bill which was to have operation in the most backward part of Bengal, where even the zemindars were not of the same class of people as the hon'ble gentlemen had in their minds. The condition of Chota Nagpore was really quite feudal: the people were very backward and ignorant, and many of the landholding class were quite unable to carry out the elaborate system of accounts which was proposed by the amendment. Elaborate rules were proposed as to sheristas and accounts, but some of the receivers of rent, in fact, hardly had what was known as a sherista. He thought, therefore, that the Council should be very careful, sitting there as they were in ignorance of the detailed system of that part of the country, how they laid down elaborate systems which, when put into force, it would be found quite impossible to carry into effect. He therefore felt bound to oppose this amendment, and he hoped his hon'ble friends who had given notice of these amendments would consider whether this was a proper opportunity for proposing amendments (many of which, as he had said before, might be very proper under a different state of things) for a country which was the most backward of all the districts which were under the Government of Bengal.

The motion was then negatived.

THE HON'BLE BABOO KRISTODAS PAL said that after the expression of opinion which had fallen from his hon'ble friends he did not wish to move the amendment to section 12 which stood in his name, namely, to insert the following section in lieu of section 12:—

“Every ryot, on payment of any instalment of rent, shall be entitled to have a receipt, of which a counterfoil shall be kept in the cutcherry of the person to whom the payment is made, specifying the period on account of which the rent is acknowledged to have been paid. Such receipts and counterfoils shall bear consecutive numbers, and shall be bound together in books of not less than fifty receipts each. Neglect or refusal to give such a receipt shall be deemed to be a withholding of a receipt.”

He might, however, explain that the circumstances of Chota Nagpore, as His Honor the President had stated, rendered it necessary that the Council should be extremely cautious in extending the system in vogue in the more advanced parts of Bengal. At the same time he wished to remind the Council that this Bill contained innovations which had hitherto been the subject of discussion, but which were now to be experimentalized upon in Chota Nagpore. For instance, no question connected with the rent law had been discussed so threadbare as the question of the enhancement of rent. But in this Bill it was provided that the question of enhancement of rent should be left entirely to the discretion of the revenue courts. In the same way the law of distraint, he believed, was withdrawn entirely under the operation of this Bill; and also several other material alterations had been introduced, such, for instance, as the fixing of rent for periods varying from ten to twenty years, and also with reference to the commutation of services on the application of the person who received rents, whether he received the rent in perpetuity or not—although the provision on this subject in the Chota Nagpore Tenures' Act applied only to rent-receivers who had rights in perpetuity. It would be thus seen that material alterations had been introduced in this Bill, notwithstanding the circumstance that the subject of the amendment of the Rent Law was yet in the stage of discussion, and the alterations which it was proposed to make had not received the final sanction of Government. Now the Rent Acts, X of 1859



and VI of 1862 and IV of 1867 of this Council, had been in force even in the backward province of Chota Nagpore, and he submitted that those laws were sufficiently complicated; and if they could remain in force in the province for nearly twenty years, he thought that it must have made sufficient progress in the meantime to be prepared to receive the few minor improvements in legislation which were the subject of the amendments before the Council. Nevertheless, as His Honor the President seemed to think that the introduction of a more advanced system of keeping accounts might complicate matters in Chota Nagpore, he would beg leave to withdraw the amendment.

HIS HONOR THE PRESIDENT said he was very glad that the hon'ble gentleman had withdrawn his amendment and stated his views in the manner he had done, but in doing so he had insinuated that there was some inconsistency in accepting certain improvements of the law, and rejecting others which he desired to introduce, on the ground of their unsuitability to the province to which this Bill would apply. But His Honor submitted that there was this difference between the two, namely, that the amendments of the law which had been made in the Bill had been made in consultation and with the advice of the officers who were administering the province of Chota Nagpore, after long and careful discussion with all the subordinate officers of the province, and after it had been ascertained that they related to matters with which they could practically deal. His Honor's objection to these amendments was that we were apt to get into a discussion of matters with regard to which we hardly knew whether we were capable of dealing. A reference to sections 19 and 20 of the Bill would show how very complicated the land tenures of Chota Nagpore were. No doubt hon'ble members were better acquainted with them than himself; but he ventured to think that there were lots of tenures which they would find it difficult to explain. He therefore thought it was better to confine themselves to amendments which they had ascertained from the local officers were capable of being carried into effect. On these grounds he was glad that the amendment was withdrawn.

Section 13 provided that the ryot might, if the rent tendered by him to the zemindar be refused, pay into court, without any action being brought against him, the amount which he admitted to be due from him.

THE HON'BLE BABOO KRISTODAS PAL moved an amendment, to the effect that such deposits should be made within one month from the date of the tender, whether a suit be instituted against the ryot or not. This amendment, he said, sought to supply an omission, the necessity of which he hoped hon'ble members would admit. At present there was no time fixed requiring the ryot to deposit the money in court after making tender of his rent; and this omission in the law led to great difficulties and complications afterwards. The zemindar might institute a suit against the ryot. The plea taken by him might be that he made tender of rent to the zemindar. He might deposit the rent after the institution of the suit, and the suit would then be barred. In the meantime the landlord went to the expence of instituting a suit, and he could not recover if the money was deposited in court. So he thought that, if it were provided that the ryot who made a tender should within a fixed time deposit the rent in court, it would remove a fruitful source of litigation; and he hoped the Council would accept this amendment.

The motion was agreed to.

Section 14 provided the proceedings which were to be taken on the deposit of money into court.

THE HON'BLE BABOO KRISTODAS PAL said that his next amendment was a corollary to the last. The section did not specify the time within which the Deputy Commissioner should inform the zemindar of the deposit of the money. He thought that notice should be issued within a reasonable time, say seven days, and he moved an amendment to that effect.

The motion was agreed to.

THE HON'BLE RAJAH PRAMATHA NATHA ROY withdrew the amendment of which he had given notice in respect of sections 24, 28, 30, and 31, in favour of those which the Hon'ble Baboo Kristodas Pal had on the notice paper.

Section 24 authorized the Deputy Commissioner under certain circumstances, on receipt of a petition for the enhancement of rent, "to alter or vary the rent of the land as to him may seem fair and reasonable for such term not being less than ten nor more than twenty years" as he might think fit.

The HON'BLE BABOO KRISTODAS PAL moved the insertion of the following words after the word "reasonable," and the omission of the words "nor more than twenty years":—

"(But so that the rent shall not be less than one-fourth of the gross produce of the said land, and not more than twice the amount of the rent previously payable.)"

This section, he said, made an important change in the law: it left it to the discretion of the Deputy Commissioner to enhance rent to any sum he considered fair and reasonable; it laid down no rule and required no definite data. In fact it simply sanctioned the patriarchal system under which the Deputy Commissioner might enhance rent at his own option, without being fettered by any considerations of law. He might also fix the rent for periods varying from ten to twenty years. BABOO KRISTODAS PAL thought that this absolute discretion in so important a matter was not desirable. The question of enhancement of rent had engaged the attention of Government for the last three or four years, and various opinions had been recorded on the subject. He feared that such absolute discretion might lead to abuse.

HIS HONOR THE PRESIDENT said he understood the hon'ble member was going to withdraw the amendments which contained questions of principle. The amendment now before the Council related to the proportion of produce which might be demandable as rent, and was one of the most difficult problems which could possibly be considered. He considered that it was very dangerous to deal with questions of this sort in the dark. It was a matter regarding which no two people of any class seemed to agree, even in the settled provinces; and it was certainly undesirable to begin by settling the principle in reference to these wild parts of the country, where the whole system of land tenures was different from what it was in other parts of Bengal. He did not say that this was not a proper question to take into consideration in reference to a general amendment of the rent law, but he thought they should not begin with the wildest part of the country—a part of the country which was not even so advanced as the Sonthal Pergunnahs.

The motion was then by leave withdrawn.

Sections 27 and 28 related to claims to abatement of rent.

The HON'BLE BABOO KRISTODAS PAL said that these sections introduced a great innovation: they left everything to the discretion of the Deputy Commissioner. The amendment of which he had given notice was simply a re-enactment of section 19 of Bengal Act VIII of 1869, which bore on the subject of abatement of rent. The power to abate rent should be exercised upon valid reasons, and he therefore moved that the following section be substituted for sections 27 and 28:—

"Every ryot having a right of occupancy shall be entitled to claim an abatement of the rent previously paid by him, if the area of the land has been diminished by diluvion or otherwise, or if the value of the produce or the productive powers of the land have been decreased by any cause beyond the power of the ryot, or if the quantity of land held by the ryot has been proved by measurement to be less than the quantity for which rent has been previously paid by him."

The HON'BLE MR. REYNOLDS observed that, when the hon'ble member said that the provisions of sections 27 and 28 were an innovation upon the law, he forgot that Act X of 1859 was in operation in Chota Nagpore, subject to considerable modifications, and the changes introduced in the Bill were really a recognition of the alterations of the law which had practically been in force for some time past.

The HON'BLE MR. MACKENZIE remarked that his hon'ble friend seemed also to forget the elements of which rent consisted in Chota Nagpore. It there implied not only money, but all sorts of things—personal service, the presentation of milk and goats on festivals, and the like. It was because Act X of 1859 was found utterly unsuited to the circumstances of the province that the Council was now asked to provide a special procedure under which the work could be carried on; and it was much better to leave the settlement of the terms of rent to the Deputy Commissioner.

The HON'BLE THE ADVOCATE-GENERAL said that, as by the previous sections the power of enhancement was left to the discretion of the Deputy Commissioner, so the power of abatement was by these sections vested in the discretion of the same officer. But he did not think sections 27 and 28 quite

consistent with the provisions relating to enhancement of rent. Section 22 provided that a petition for enhancement must proceed on the ground of a measurement of the land held by the tenant; section 23 also required that the petition should specify the general rate prevailing in the village for different classes of land, and other particulars. But section 27 was very general in its terms. It might apply to any given thing. The petition might claim an abatement because the tenant could not pay the rent. It did not at all correspond with the previous sections relating to enhancement, and therefore the ADVOCATE GENERAL thought that there was some force in the objections taken by the hon'ble mover of the amendment, and that section 27 certainly required amendment in the direction he had indicated.

The HON'BLE MR. REYNOLDS said that the particulars required by section 23 were matters that were likely to be within the cognizance of the person applying for enhancement of rent, and it seemed reasonable that he should be asked to give the particulars referred to. But it was not to be supposed that the ignorant ryots of Chota Nagpore would be in a position to supply information of that kind.

The HON'BLE THE ADVOCATE-GENERAL observed that if the ignorant ryot was not in a position to supply those particulars, he ought not to ask for an abatement of his rent.

The further consideration of sections 27 and 28 was then postponed.

Section 30 provided as follows:—

“Any instalment of rent which is not paid on or before the day when the same is payable according to the pottah or engagement, or if there be no written specification of the time of payment, at or before the time when such instalment is payable according to established usage, shall be held to be an arrear of rent under this Act, and in the absence of any written agreement to the contrary shall be liable to interest at six per centum per annum.”

The HON'BLE BABOO KRISTODAS PAL moved the omission of the section and the substitution of the following:—

“Any instalment of rent which is not paid on or before the day when the same becomes due, shall be deemed to be, for the purposes of this Act, an arrear of rent.

“Provided that, in the absence of a written agreement specifying the time of payment, the rent payable by the ryot shall be held to become due fifteen days before the date fixed for the payment of the revenue or rent payable by the superior landlord on account of the land in respect of which the ryot's rent is payable, and to be payable in the same number of instalments as the said revenue or rent; and the amount of each instalment of such rent shall bear the same proportion to the whole of such rent payable for the year as the amount of each instalment of such revenue or rent bears to the whole of such revenue or rent payable for the year. Interest at the rate of twelve per centum per annum shall be allowed upon the amount in arrear when not paid at the due date in the absence of any written agreement to the contrary.”

This, he said, was a most important section. It related to the question of instalments of rent. Not unfrequently the court was puzzled to decide what was really an instalment of rent. In some cases instalments were payable monthly, in some bi-monthly, in some quarterly, and in other cases no rule whatever existed. This uncertainty as to the time for the payment of instalments of rent was a source of great dispute between the zemindar and the ryot, and of much trouble to the courts. He found that in the Oudh Rent Act of 1868 there was a section analogous to that which he now proposed, and following the principle of that section, he ventured to introduce this amendment. He would, however, omit from the first paragraph of the section the words “whether under a written agreement or according to law or local usage,” which stood in the notice paper. They existed in the Oudh Rent Act; but it had been pointed out to him by the learned Secretary that the words were not consistent with the proviso proposed by him. He would himself prefer to fix the payment of rent in four quarterly instalments; but that point was under the consideration of Government in reference to Bengal generally, and, as a tentative measure, he would follow the provisions of the Oudh Rent Act. He believed that many parts of Oudh were not more advanced than the province of Chota Nagpore; and as the system had worked satisfactorily there, he thought it might also work well in Chota Nagpore.

The HON'BLE MR. REYNOLDS said he had the strongest objection to the amendment. In the first place the hon'ble member did not tell the Council how the ryot was to ascertain what was the date fixed for the payment of revenue or rent by his superior landlord. That seemed to him to be a practical

difficulty. The amendment, moreover, seemed to involve a cumbrous and complicated calculation. He remembered the case of one ryot in Chota Nagpore, whose rent consisted of a goat, three pots of ghce, twenty-five bundles of thatching grass, and fourteen days' labour. He would ask how such a ryot was to pay an instalment of "rent in the same proportion to the whole of such rent payable for the year as the amount of each instalment of such rent bears to the whole of such revenue or rent payable for the year." He thought the hon'ble member would admit that in a case of that kind this amendment would not apply. He did not also understand that the amendment was necessary for the protection of the zemindar. It might be said that in Bengal the zemindar ought to be able to enforce payment of his rent before he himself was compelled to pay the Government revenue. But that argument hardly applied to Chota Nagpore, where the assessment on the land was very light, the population numbering some four millions, and the land revenue only four lakhs per annum, or a land revenue of one rupee to every ten souls. That was quite a different state of things from what existed in Bengal Proper, where the population was some thirty-five millions, and the land revenue nearly two and a half crores. Then it might be said that the zemindar was compelled to pay land revenue, and that he ought to have a speedy remedy against his ryot. But possibly the hon'ble mover of the amendment might not be aware that Act XI of 1859 was not in force in Chota Nagpore, and that no estates were sold for arrears of revenue in the province.

The HON'BLE THE ADVOCATE-GENERAL said he did not think the illustration which had been given entirely got rid of the objection to the section in the Bill. Still he thought that the section as it stood was wholly unobjectionable. It provided for the payment of instalments of rent at the time when it was payable according to established usage where there was no written specification of the time of payment, and that the instalment should bear interest at six per cent. In all zemindari there was an engagement to pay at a certain time, or, in the absence of such engagement, according to established usage. He thought that the introduction of the amendment would lead to further complications, and as the section was an ordinary section he would support it.

The HON'BLE BABOO KRISTODAS PAL said that the section which stood in the Bill had been taken from the present rent law, and hon'ble members were well aware that the course of the existing law had not been quite simple or certain. None was better aware than the hon'ble and learned Advocate-General that the question of instalment was in many cases a debatable one, and that in some cases in the 24-Pergunnahs the District Judge declined to allow interest for arrears of rent, because it was not certain whether the instalment or *kist* claimed was correct or not: in fact he would not allow any interest until the expiry of the year for which rent was demanded. BABOO KRISTODAS PAL thought that if the period of instalment could be fixed by law, it would remove a fertile source of misunderstanding on the subject. If, however, it was impracticable to introduce into Chota Nagpore the system which, as he found, had been working in Oudh, he would certainly bow to the decision of the Council. He did not, however, think that it would be difficult for the ryot to ascertain the kists in which the rent of his superior landlord was paid: he could easily go to the kutcherry of his landlord and ascertain that fact, and, if necessary, the landlord might be required to notify in his own estate the number of kists in which he paid his revenue or rent. As to what had been said as to services rendered in payment of rent, he might observe that the Bill proposed to commute them into money payments. He only alluded to payments in money. But if there were practical difficulties in the way of carrying out the amendment, he would not object to withdraw it.

The motion was then by leave withdrawn.

His Honor the President here vacated the chair, and the Hon'ble the Advocate-General presided.

Section 31 provided as follows:—

"When an arrear of rent remains due from any ryot at the end of the Bengal or Sambut year, or at the end of the month of Jeth of the Fusly or Willayuttee year, as the

case may be, such ryot shall be liable to be ejected from the land in respect of which the arrear is due, but only in execution of a decree or order passed under the provisions of this Act."

The HON'BLE BABOO KRISTODAS PAL moved the omission of all the words of the section from the beginning to the words "as the case may be," and the substitution of the following:—

"When an arrear of rent remained due from any ryot, whether at the end of the year or not."

The object of the amendment was to facilitate the recovery of rent. Under this Bill there would be no distraint; occupancy tenures might be sold or not, according to the custom of the country, in satisfaction of arrears of rent; and in the third place a defaulter might be put in jail for default in the payment of rent. But as that process would be expensive to the landlord, it might be easily imagined that it would not facilitate the speedy recovery of rent. The only other remedy was ejectment or eviction under section 31. But as the section was worded, no ryot would be liable to be ejected except when an arrear remained due at the end of the year. So that for one whole year the zemindar could be kept at bay, though at the same time he would be bound to meet his demand with the same punctuality as ever. Now this BABOO KRISTODAS PAL considered not fair. The Government had frequently recognized the necessity of facilitating the recovery of rent; and as a special rent law was about to be passed for the province of Chota Nagpore, it seemed meet and fair that such a procedure should be prescribed in that respect as would secure the object in view. If a ryot, for default in the payment of rent, were rendered liable to be ejected from his holding, he would take proper precaution not to allow his rent to fall into arrear. If necessary, a review of judgment might be allowed in cases of ejectment, and reasonable opportunity should be given to the ryot to show cause why he could not pay his rent on the due date. BABOO KRISTODAS PAL thought that it was but fair that when other means of realizing rent were so ineffectual, this one means of doing so expeditiously should not be rendered so lax in its working as to practically nullify its effect.

The HON'BLE BABOO ISSER CHUNDER MITTER said that this was another item of improvement in the law against which he had nothing to say in its other phases. But considering the question as it at present stood, the Council must remember that the proposed provision had not yet been brought into operation in Bengal: it was still under consideration. How far it was wanted in the districts of Chota Nagpore was another question. There were many difficulties in the way of selling tenures within the year. The crops were on the ground, and if you sold a tenure in the middle of the year, it would operate very oppressively on cultivators. Nevertheless, taking the provision in the abstract, he was not opposed to it. He was quite agreeable to making tenures saleable on failure of payment of instalments, just as estates were; but he thought that the question had not yet received the consideration which it deserved. The question would come up before the Government of India in connection with the general amendment of the rent law, and he thought it might well wait until such consideration was given to it. No difficulty, it seemed, had been experienced in Chota Nagpore in respect to the realization of rent. The tenures there were mostly heritable, or held at the pleasure of the landlord; there were very few transferable tenures in the province, and he believed that, practically, the amendment would be of very little use there. The question was a large one and required serious consideration. Moreover, he understood that this question had been regarded in a different light by the Government of India, and he believed there was a letter from that Government giving expression to its views on this subject, in which the Government of India seemed quite opposed to transfers of tenures by sale for arrears.

The HON'BLE MR. REYNOLDS said that he wished to observe, in addition to what had fallen from the hon'ble member who had just spoken, that this question of facilitating the recovery of rent was not practically called for. The landholders of Chota Nagpore did not require a special procedure to recover their rent; what was rather needed was protection for the ryot more than for the landlord, and Chota Nagpore was the last place in which, in a matter of this

kind, we should attempt to go beyond the stage to which we had gone in Bengal.

The HON'BLE BABOO MOHINI MOHAN ROY said he supported the amendment for this reason, that although the law in Bengal now was that the ryot might be ejected at the end of the year, practically it took a great deal more time than that to do so: a couple of years was about the least that would be required in effecting an ejectment. And he found, on reference to section 88 of the Bill, that in all cases for the ejectment of a ryot or the cancellation of a lease, the decree should specify the amount of the arrear, and that if such amount, together with interest and costs of suit, be paid into Court within fifteen days from the date of decree, execution should be stayed. Therefore, practically, the ryot could always save his tenure by paying the arrears under the decree for ejectment.

The HON'BLE MR. AMEER ALI said he was inclined to support the amendment, because he was of opinion that the provisions of section 31 would operate harshly towards the landlord, as the ryot could only be compelled to pay his rent at the end of the year; and under process of law, an ejectment suit might last for two years, and during the whole of the time the landlord would be kept out of his rent. He thought that on principle the amendment was correct.

The HON'BLE THE ADVOCATE-GENERAL said he thought it would be improving the law at the wrong end if the Council began by improving it with regard to persons who had more primitive notions than the people of Bengal. Although on principle there appeared to be no objection to the amendment, still, when you were about to alter the law, it was very necessary to consider the people in respect to whose affairs the alteration was proposed: they were less civilized and less capable of knowing what the law was, and if this sudden change in the law was passed amongst a people of this kind, it would, as he had said before, be improving the law at the wrong end. As it had been said more than once that larger measures were in contemplation for the amendment of the rent law, he thought it would be better to leave the matter as it stood and to uphold the Bengal Act in this respect. He should therefore vote against the amendment.

The HON'BLE MR. MACKENZIE would say that the introduction of a provision making ejectment from land an easy and ordinary process might even be a source of political danger. He thought that the sympathies of the Council would be entirely wasted if lavished thus upon the zemindars of Chota Nagpore. Most of these had but a small quit-rent to pay, which bore no appreciable relation to the rents which they received from their tenants, and had no difficulty whatever either in paying their revenue or getting their rent. That this question of ejectment amongst a primitive people was a serious matter in the opinion of the local officers was plain from the fact that not merely the occupancy ryot, but all ryots were protected from ejectment save under orders of the court, and he would oppose any modification not supported by the local officers.

The HON'BLE BABOO KRISTODAS PAL observed that he did not see how the amendment he proposed would at all alter the state of things to which the hon'ble member who last spoke had referred. The ejectment of a ryot could not be made without instituting a suit, and that suit must be heard by the Deputy Commissioner. Then, if within fifteen days the amount decreed with interest and costs were paid into court, the tenure might be saved; so he did not see how practically the position of the Commissioner was altered. The only difference was that instead of ejectment being decreed when the arrear was for one year, he suggested that recovery by ejectment might be made, whether the amount in arrear was for one year or not: that was the only difference which the amendment would make. And the necessity for the amendment arose from the general character of the people and the provisions of the Bill with regard to the recovery of rent, which might be rendered null and void if the ryots proved refractory. It had already been remarked that occupancy tenures were rare in Chota Nagpore. If such was the case, then tenures could not be sold, and the present restrictive provision about ejectment would prove more to the detriment of the rent-receiver than otherwise. As had been already remarked, it might take two years to get a decree in an ejectment suit; and the Bill as it was framed would give no facilities



whatever for the recovery of rent from refractory ryots. BABOO KRISTODAS PAL admitted that the relations between zemindars and ryots in Chota Nagpore were of a feudal nature, but he could not understand why the feudal power should vest in the patriarchal ruler of the district and not in the landlord. Surely this was at variance with the usual conditions of the feudal system.

The HON'BLE THE ADVOCATE-GENERAL remarked that although it had been stated that an ejectment suit might occupy two years, it might, on the other hand, take only two months to get a decree; and might it not be unfair to compel a ryot to pay rent before his operations for the year were concluded? As he had said before, he thought it would be dangerous to make such a change.

After some further discussion, the motion was by leave withdrawn.

Section 34 provided for the registry of transfers of tenures by "all dependent talookdars and other persons possessing a permanent heritable interest in land intermediate between the zemindar and the cultivator."

The HON'BLE BABOO KRISTODAS PAL moved the omission of the words above quoted, and the substitution for them of the words—

"All dependent talookdars and other persons possessing a permanent transferable or heritable interest in land."

He was an advocate of registration of tenures. He did not see why only those who possessed heritable interests in land intermediate between the zemindar and the cultivator should be required to register their tenures. That limited the operation of the law to an extent which he thought was not desirable. He knew that that was the law under Bengal Act VIII of 1869, but, in his opinion, the law was defective. He thought that the registration of tenures should be extended as far as possible, as it would remove much uncertainty and misunderstanding as to who was the actual holder of a tenure, and it was with that view that he moved this amendment.

The HON'BLE MR. REYNOLDS said the section as it stood was intended to apply to a particular class of tenures in Chota Nagpore—a kind of feudal tenures with succession to the heirs of the grantee, but with a reversion to the landlord on failure of such heirs. The object of the amendment was to include occupancy tenures within the provisions of the section, whereas the section as it stood would apply to all but that class of tenures. He himself had no objection to make to the principle of the amendment. Occupancy tenures were not included, in deference to the opinions of the local officers, simply because occupancy ryots had in Chota Nagpore a very shadowy sort of right. But he should prefer that the section should be left as it stood, on the ground that he was not prepared to say how far the amendment would be practically workable.

The HON'BLE BABOO KRISTODAS PAL observed that the bhuinhari and bhuia tenures were heritable, though they were not transferable, and he saw no reason why the holders of those tenures should not be required to register them.

The HON'BLE BABOO ISSER CHUNDER MITTER thought it was necessary only to provide for the registration of tenures which were transferable as well as tenures which were heritable. The only district in which there were tenures which were both heritable and transferable was the district of Singbhoom; in the other districts tenures were simply heritable, there being very few which were transferable. He thought the object in view would be met by the insertion of the words "or transferable" after the word "permanent" in line 2 of the section.

The HON'BLE MR. REYNOLDS explained that section 34 was not intended to apply to transferable tenures; section 35 was meant to provide for certain tenures of that nature. The difference between the amendment and the provisions in the Bill was that the former would include "occupancy tenures;" and he was not prepared to say that he wished to see occupancy tenures included.

The HON'BLE BABOO MOHINI MOHAN ROY would include both classes of tenures in this provision: he thought it was the interest of the ryot that transfers or changes in title should be registered. The omission to register had hitherto led to much litigation.

The HON'BLE MR. MACKENZIE said that personally he had always advocated the registration of transfers of occupancy tenures; but he thought it was not

fair that the hon'ble member should propose this amendment, as he had consented to postpone all substantive amendments of the present law. The section under consideration was intended to apply to an entirely different class of tenures from those which his hon'ble friend had in view, and he was not prepared to vote for the amendment without having the opinion of the local officers on the subject. The amendment would effect a very important modification of the law, and might no doubt be a very desirable improvement in the general law of rent. If we were to have a satisfactory rent law, we must insist on the registration of occupancy rights; but, under the circumstances, he thought the amendment ought not to be introduced into this Bill.

The HON'BLE THE ADVOCATE-GENERAL said that having regard to the latter part of section 34, his inclination would be to restrict rather than to enlarge the registration of transfers; for if you enlarged the terms of the first portion of the section you might let in a flood of quasi-litigation. His own opinion, therefore, was rather against the enlargement of section 34, especially as it contained a provision which would enable the Deputy Commissioner, on proof to his satisfaction being given of the service of notice, to put the zemindar in possession of the talook or tenure.

After some further discussion the Council divided:—

<i>Ayes 4.</i>		<i>Noes 4.</i>	
THE HON'BLE BABOO MOHINI MOHUN ROY.		THE HON'BLE BABOO ISSER CHUNDER MITTER.	
" RAJAH PRAMATHA NATHA ROY.		" MR. MACKENZIE.	
" BABOO KRISTODAS PAL.		" MR. REYNOLDS.	
" MR. AMEER ALI.		" THE ADVOCATE-GENERAL.	

The numbers being equal, the Advocate-General (presiding) gave a casting vote with the noes.

So the amendment was negatived.

The HON'BLE RAJAH PRAMATHA NATHA ROY withdrew the amendments to sections 37 and 71, of which he had given notice, because his first amendment, with which they were connected, was negatived.

The HON'BLE BABOO KRISTODAS PAL moved the introduction of the following section after section 138:—

"No appeal shall lie from any decree of a Deputy Collector in a suit for arrears of rent under this Act unless the judgment-debtor deposit the amount of the decree with costs in the court of such Deputy Collector to the credit of the person who has obtained the decree."

The object of the section was that if the court of the Deputy Collector decreed a suit for an arrear of rent, the ryot might be required to deposit the amount, so that the zemindar might take it out of court. If, on the other hand, he preferred a suit in appeal, there would be no difficulty in obtaining the money from the zemindar. This provision had been suggested by several experienced local officers in reference to the general law for the recovery of rent. BABOO KRISTODAS PAL hoped it would not be considered that this provision introduced a material or radical alteration in the law in Chota Nagpore.

In the Small Cause Courts no application for review of judgment was allowed unless the amount of the decree and costs was deposited in court. He believed that in the Agrarian Disputes Act there was a provision requiring that no appeal should lie against a judgment for the recovery of rent, unless the amount decreed was deposited; and he thought that, if such a provision was just for other parts of the country, it was just for Chota Nagpore, particularly as this Bill did not offer sufficient facilities for the recovery of rent in that province.

The HON'BLE MR. REYNOLDS said he must protest against the position taken up by the hon'ble member that the zemindars of Chota Nagpore required facilities for the recovery of rent. He did not know whether his hon'ble friend was speaking after communication with the zemindars of that province: on the contrary, MR. REYNOLDS thought the class which required protection and facilities was the tenant class. He admitted that in principle no objection could be taken to the amendment, and a similar provision, or something of the kind, had been inserted in the draft of the measure which it was proposed to introduce into Council. But it was one thing to do that in regard to Bengal proper and another to introduce this amendment into a law for Chota Nagpore. The Agrarian Disputes Act had never been put in force in that province, and the proposed



provision seemed to him to be calculated to do a great deal of mischief in such a province as Chota Nagpore.

The HON'BLE BABOO ISSER CHUNDER MITTER observed that he was quite in favor of this amendment on principle; but, considering that it involved a question of the general improvement of the law, he would put it to his hon'ble friend whether the amendment could not well wait with other important matters connected with the amendment of the general rent law, which were now under consideration elsewhere.

The HON'BLE THE ADVOCATE-GENERAL said this seemed to him to be a very radical change in the law. Appeals were now allowed in all sorts of cases without the deposit of the debt and costs. In the Small Cause Court, where no appeal was admissible, and there was just a chance of the reversal of a decree, it might be right to require the deposit of the amount decreed. But he thought it would be unjust to introduce such a principle in a matter so simple as this. Appeals were allowed in consequence of the want of experience on the part of Deputy Commissioners, and the injustice which might at times be done if their decisions were made final. That being so, he thought there should not be a hard condition attached to an appeal that the ryot must deposit the debt and costs before he could appeal. We ought rather to await the changes which were likely to take place in the rent law, and it would in his opinion be premature to introduce such a change here.

The motion was then negatived.

The HON'BLE RAJAH PRAMATHA NATHA ROY moved the omission of clauses (1) and (2) of section 147, and the insertion of the following clause:—

“by beat of tom-tom in the village in which the holding to which the notice or summons relates is situated.”

He said that from what he understood of the people in Chota Nagpore the clauses of this section, which related to personal service of notices and summonses, and to service through a general agent, could not apply, and that what he proposed in addition to clause (3) would be more suitable. The people were said to be a jungly people, and it would therefore be very difficult to effect personal service of a notice or summons on them. Moreover, he did not think any tenant, especially tenants in Chota Nagpore, had a general agent to attend at the courts and receive service of summonses and notices, and it would also be difficult to serve these processes upon them by registered letters, as they were said to be unable to read or write. A zemindar would therefore find it difficult to prove service of summons in such cases. It was for these reasons that this amendment was proposed, and a similar proposal was accepted by this Council in the Settlement Officers' Powers Bill.

The HON'BLE MR. REYNOLDS said that the hon'ble member proposed to leave out the ordinary method of serving notices and summonses, and merely to provide that they might be served by beat of tom-tom. His hon'ble friend's arguments were founded on the assumption that all the notices and summonses that would be served under this Bill were notices and summonses served on ryots by zemindars, whereas it would often be the other way; and MR. REYNOLDS would therefore prefer to leave the section as it was. The service of notices and summonses by beat of tom-tom might be very appropriate where a general notice or summons had to be issued; but such a mode of service was not appropriate where the service was to be made on individuals.

After some conversation the amendment was by leave withdrawn.

The Council was adjourned to Saturday, the 2nd of March.

*Saturday, the 2nd March 1878.*

**Present:**

The Hon'ble G. C. PAUL, *Acting Advocate-General, presiding,*  
 The Hon'ble H. J. REYNOLDS,  
 The Hon'ble A. MACKENZIE,  
 The Hon'ble J. O'KINEALY,  
 The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
 The Hon'ble MR. AMEER ALI,  
 and  
 The Hon'ble BABOO MOHINI MOHAN ROY.

### SUITS BETWEEN LANDLORDS AND TENANTS IN CHOTA NAGPORE.

The Hon'ble MR. REYNOLDS moved that the Bill to amend the procedure in suits between landlords and tenants in Chota Nagpore be further considered in order to the settlement of its clauses.

The motion was agreed to.

The Hon'ble MR. REYNOLDS said that the amendment upon section 16, of which he had given notice, was of an entirely verbal character. The section itself was a reproduction of section 11 of Act X of 1859, previous to the passing of which law the power of compelling the attendance of ryots by their zemindars had been in force. The phraseology of the existing provision was antiquated, and he therefore proposed to substitute for it a section, the effect of which would practically be the same :—

“ All zemindars and other landholders are prohibited from compelling the attendance of their tenants for the adjustment of their rents or for any other purpose, and from adopting any means of compulsion for enforcing payment of the rent due to them other than those authorised by this Act.”

The motion was agreed to.

The Hon'ble MR. REYNOLDS said that according to section 22 of the Bill as it now stood, in every application for enhancement of rent there must be a petition for the measurement of the land. It was not intended to confine enhancement applications to cases in which the area of the holding was in dispute, nor to require that the applicants should necessarily ask for the measurement of the land in every case, but only when it was necessary. MR. REYNOLDS therefore moved certain amendments in the section which made it run thus—

“ Any person wishing to enhance the rent previously paid to him by any such under-tenant or ryot may present a petition to the Deputy Commissioner to assess the rent on the land in respect of which such enhancement is sought, and (if necessary) to measure the same.”

The motion was agreed to.

On the motion of the Hon'ble MR. REYNOLDS section 24 was similarly amended.

The consideration of section 27 relating to claims to abatement of rent was postponed at the last meeting, in order that it might be amended so as to make it correspond with the sections relating to enhancement.

The Hon'ble MR. REYNOLDS moved that the following section be substituted for section 27 :—

“ Any under-tenant or ryot having a right of occupancy, and wishing to claim an abatement of the rent previously paid by him, may present a petition to the Deputy Commissioner to assess the rent upon the land in respect of which such abatement is sought, and, if necessary, to measure the same.

“ Such petition shall specify the particulars mentioned in section 23, and the grounds on which such under-tenant or ryot considers that he is entitled to such abatement. The provisions of sections 49 and 50 shall apply to all such applications.”

The motion was agreed to.

A corresponding amendment was, on the motion of the Hon'ble MR. REYNOLDS, made in section 28.

Section 56 provided that if the cost of serving a summons or warrant be not deposited in court, the case should not be brought on the file of suits; but in such case the plaintiff might present another plaint at any time within the period "allowed by the law for the time being in force for the limitation of suits." The wording of the section, Mr. REYNOLDS said, did not make it quite clear whether the law in force as to limitation referred to the general law of limitation or to the specific limitations laid down by this Bill. The intention was to refer to the limitations laid down previously in section 42 and the following sections of this Bill, and to make this quite clear he moved that for the words within quotations the words "prescribed by this Act for the limitation of suits" be substituted.

The motion was agreed to.

A similar amendment was, on the motion of the HON'BLE MR. REYNOLDS, made in section 62.

The HON'BLE MR. REYNOLDS then moved that the Bill be passed. The only alteration made in the Bill which was of more than a verbal character was the alteration in section 27. But the principle of that amendment was discussed and accepted by the Council at its last meeting, and he thought there was nothing in the other amendments which were passed at the present sitting which need lead to further delay in the passing of the Bill.

The motion was agreed to and the Bill passed.

On the motion of the HON'BLE MR. REYNOLDS the Hon'ble Mr. Ameer Ali was added to the Select Committee on the Bill to consolidate the law relating to the excise revenue in the Presidency of Fort William in Bengal.

The Council was adjourned to Saturday, the 16th instant.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARKS.	STOCKS IN HAND AS COMPILED ON—					
	28th Septem- ber 1877.	30th October 1877.	1st week of De- cember 1877.	1st week of January 1878.	1st week of February 1878.	1st week of March 1878.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta ... ..	5,45,500	5,41,000	5,03,400	6,22,000	5,41,700	4,90,500
Ooltadanga ... ..	53,500	61,200	45,400	50,000	40,400	44,000
Chitpore, Golabaree, Coomortooly, Hatkola, and Culpay Chât.	7,45,300	8,03,100	4,52,000	3,62,000	3,37,900	4,00,700
Pathuraghatta, Posta, and Jurabagan	33,400	27,000	16,000	26,400	34,300	11,100
Tollygunge, Chitlah, Kidderpore, and Moonshikunge.	2,61,500	2,16,200	1,16,100	1,49,300	1,45,600	1,61,900
21 Minor Bazars (estimated) ... ..	2,40,000	2,40,000	3,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhud- dressur, and Chandernagore.	37,000	1,00,000	75,000	37,162	43,057	64,904
Total ... ..	21,66,100	22,46,500	14,78,800	17,27,642	16,79,857	16,67,704
On Railway premises both sides the river.	35,540 (on 27th September.)	18,528 (on 29th October.)	12,186 (on 3rd December.)	8,732 (on 4th January 1878.)	17,628 (on 3rd February.)	21,328 (on 3rd March.)
On boats unloaded { Port Commis- as by ... .. sioners' returns	1,08,049 (23rd to 25th Sept.)	1,03,388 (24th to 27th Oct.)	50,834 (1st to 3rd December.)	70,102 (2nd to 4th January.)	87,818 (1st to 3rd February.)	61,228 (1st to 3rd March.)
{ Canal returns ...	94,397 (23rd to 25th Sept.)	43,265 (24th to 27th Oct.)	16,812 (1st to 3rd December.)	1,21,549 (2nd to 4th January.)	1,10,043 (1st to 3rd Feb.)	84,655 (1st to 3rd Mar.)
Grand Total of Stocks	24,04,086	24,11,679	15,58,632	19,28,045	18,95,945	18,34,915
Probable stocks available for exporta- tion by sea.	12½ lakhs.	12½ lakhs.	5 lakhs.	8½ lakhs.	8½ lakhs.	7½ lakhs.

The 5th March 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

*The following Statement shows the quantities of the principal staples of Traffic imported into Calcutta from the interior during the month of January 1878.*

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							Jute.	OIL-SEEDS.		Cotton, raw.	Silk.
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food- grains.	Total.		Linseed.	Mustard seed.		
	Rice. •	Paddy.*	Total (in rice).									
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan .. ..	2,64,061	4,900	2,67,124	3,140	2,300	.....	2,72,564	.....	540	.....	41	7
Bankoora .. ..	450	.....	450	.....	.....	.....	450	.....	.....	.....	.....	.....
Beerbhoom .. ..	55,500	.....	55,500	.....	.....	.....	55,500	.....	.....	.....	.....	91
Midnapore • ..	1,39,418	57,089	1,75,104	.....	.....	.....	1,75,104	1,275	790	316	94	170
Hoochly .. ..	92,451	11,368	99,558	2,650	3,419	.....	1,05,854	68,845	20,698	1,393	180	40
24-Perkunnahs ..	6,15,057	1,02,748	6,79,274	112	3,000	20	6,82,436	56,268	46	406	789	.....
Nudda .. ..	31,144	.....	31,144	2,502	53,619	2,551	1,19,816	22,812	9,164	3,125	62	485
Jessore .. ..	33,120	420	33,393	.....	1,095	.....	34,468	26,245	6,490	1,142	.....	.....
Moorshedabad ..	64,850	.....	64,850	8,776	3,631	.....	77,257	762	2,115	423	.....	487
Dinapore .. ..	4,242	.....	4,242	.....	.....	.....	4,242	1,224	.....	.....	.....	.....
Rajshahye .. ..	2,396	.....	2,396	.....	1,558	.....	3,954	3,929	.....	.....	.....	.....
Runpore .. ..	.....	.....	.....	.....	.....	.....	.....	4,065	.....	.....	.....	.....
Pubna .. ..	8,079	.....	8,079	500	1,456	.....	10,065	2,68,856	7,243	7,327	.....	.....
Dacca .. ..	51,715	.....	51,715	.....	1,447	721	53,883	2,40,395	.....	765	.....	.....
Furreedpore ..	1,04,073	.....	1,04,073	142	5,119	267	1,09,541	1,35,297	763	4,163	.....	1
Backergunge ..	7,57,412	637	7,57,810	.....	.....	.....	7,57,810	.....	.....	500	.....	.....
Mymensingh ..	5,343	.....	5,343	.....	136	.....	5,479	23,918	.....	.....	.....	.....
Tippurah .. ..	6,765	.....	6,765	.....	.....	.....	6,765	.....	.....	.....	.....	.....
Chittagong ..	165	.....	165	.....	.....	.....	165	97	.....	.....	.....	.....
Noakholly .. ..	2,900	.....	2,900	.....	.....	.....	2,900	.....	.....	.....	.....	.....
Total of Bengal ..	22,39,200	1,77,174	23,49,932	17,952	1,07,029	3,499	24,78,312	8,62,298	47,734	19,620	1,163	1,281
BEHAR.												
Patna .. ..	341	.....	341	5,675	3,059	4,044	13,119	624	82,979	21,019	.....	.....
Shahabad .. ..	.....	.....	.....	.....	319	2,253	2,572	.....	1,404	.....	.....	.....
Mozufforpore ..	.....	.....	.....	149	.....	.....	149	.....	7,412	1,115	.....	.....
Durhhunga .. ..	.....	.....	.....	.....	.....	.....	.....	.....	5,098	1,100	.....	.....
Sarun .. ..	.....	.....	.....	639	.....	.....	639	.....	8,953	1,675	.....	.....
Monghyr .. ..	709	.....	709	17,877	8,299	.....	26,555	.....	24,595	2,005	.....	.....
Bhagulpore ..	4	.....	4	14,779	1,483	981	17,246	.....	3,861	6,582	.....	.....
Purneah .. ..	.....	.....	.....	1,138	.....	.....	1,138	.....	5,491	8,029	.....	.....
Maldah .. ..	.....	.....	.....	.....	.....	.....	.....	2,009	911	.....	.....	.....
Sonthal Perkunnahs	208	.....	208	4,087	1,052	.....	5,347	.....	2,158	7,331	.....	19
Total of Behar ..	1,262	.....	1,262	44,342	14,182	7,278	67,064	2,723	1,42,562	40,150	.....	19
ORISSA.												
Cuttack .. ..	4,957	.....	4,957	.....	.....	.....	4,957	.....	.....	.....	.....	.....
Balasore .. ..	5,220	11,286	12,274	.....	.....	.....	12,274	336	.....	.....	.....	.....
Total of Orissa ..	10,177	11,286	17,231	.....	.....	.....	17,231	336	.....	.....	.....	.....
CHOTA NAGPORE.												
Manbhoom .. ..	554	.....	554	.....	53	.....	607	.....	.....	.....	.....	.....
Total of Chota Nagpore	554	.....	554	.....	53	.....	607	.....	.....	.....	.....	.....
Grand total of supplies from the Provinces under the Lieutenant- Governor of Bengal.	22,51,193	1,88,458	23,68,979	62,194	1,21,264	10,777	25,63,214	8,65,347	1,90,596	68,776	1,163	1,300
OTHER PROVINCES.												
Assam .. ..	.....	1,350	844	.....	.....	.....	844	6,554	.....	7,679	.....	16
North-Western Provinces	.....	.....	.....	.....	68	2	70	.....	37,002	4,376	931	.....
Central Provinces ..	.....	.....	.....	307	.....	.....	307	.....	4,377	.....	.....	.....
Rajpootana States ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	851	.....
Bombay .. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,475	46
Madras .. ..	29	.....	0	893	.....	60	987	.....	.....	.....	2,599	.....
Other places .. ..	30	.....	30	.....	69	.....	99	.....	.....	.....	2,280	380
Grand total { In Jan. 1878	22,51,252	1,89,809	23,69,882	63,399	1,21,401	10,830	25,65,521	8,71,901	2,31,975	1,19,531	14,302	1,742
of imports { In Jan. 1877	39,26,330	34,091	39,48,209	4,18,057	3,76,914	21,307	47,64,487	5,10,224	1,00,700	49,305	91,868	1,615

*The Sea-borne Trade of Calcutta in these staples during the month of January 1878 was as follows:—*

EXPORTED FROM CALCUTTA:—	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
To Indian ports, viz.—												
Madras	1,44,944	.....	1,41,044	.....	1,339	.....	1,46,282	.....	.....	.....	.....	553
Other ports in Madras	69,252	.....	69,252	.....	.....	.....	69,252	.....	.....	.....	.....	9
Bombay	6,91,049	502	6,91,118	.....	14,398	.....	7,08,816	21,925	.....	.....	.....	14
Pondicherry	7,611	2,040	8,889	.....	.....	.....	8,889	.....	.....	.....	.....	.....
Other Indian ports	13,920	.....	13,920	1,000	8,264	13	23,196	735	.....	58	540	67
Total of interportal trade	9,29,778	2,632	9,31,423	1,000	21,000	12	9,56,435	22,900	.....	68	540	633
To Foreign ports—												
United Kingdom	60,205	.....	60,204	79,860	800	.....	1,40,563	5,47,603	1,94,160	91,708	355	352
Other foreign ports	8,16,420	804	8,16,922	8,970	40,680	10,050	8,94,622	76,387	1,27,593	1,377	4,734	264
Total of foreign trade	8,76,628	804	8,77,130	88,530	50,480	10,050	10,35,190	6,23,990	3,21,753	93,088	5,089	616
Grand total	In Jan. 1878 18,06,400	3,436	18,08,553	89,530	74,480	19,082	19,91,625	6,46,650	3,21,753	93,141	5,633	1,249
	In Jan. 1877 39,99,462	7,406	40,04,091	3,75,904	3,77,410	31,796	47,89,201	3,45,832	1,71,738	23,644	67,920	674

The following Statement shows the several Routes followed by the trade in the principal staples of Traffic imported into Calcutta during the month of January 1878.

Specification of routes.	FOOD-GRAINS.					Jute, raw.	OIL-SEEDS.		Cotton.	Silk.
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.		Linseed.	Mustard seed.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ... ..	17,27,931	1,65,224	40,651	26,994	.....	3,73,861	1,31,070	33,640	867	166
.. river steamers ... ..	800	.....	.....	.....	.....	1,30,241	.....	3,500	.....	16
.. rail { East Indian Railway	2,38,127	.....	21,592	11,407	7,280	.....	93,293	73,411	2,177	634
.. rail { Eastern Bengal Railway	1,64,810	.....	204	81,751	3,470	3,21,023	7,548	8,902	.....	484
.. road ... ..	1,11,828	13,298	54	1,180	20	46,311	62	60	292	55
.. sea ... ..	7,150	11,286	894	69	00	434	.....	.....	14,096	238
Grand total of { In Jan. 1878 ...	22,51,252	1,89,908	63,399	1,21,401	10,839	8,71,901	2,31,975	1,10,531	18,302	1,749
imports. { In Jan. 1877 ..	30,26,339	34,901	4,18,057	3,76,914	21,307	5,10,234	1,00,700	40,355	91,868	1,616

The following Statement shows the quantities and values of the principal staples of Traffic exported inland from Calcutta during the month of January 1878.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods (European).	Cotton twist (European)	Salt.	Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
BENGAL.				CHOTA NAGPORE.			
	Rs.	Mds.	Mds.		Rs.	Mds.	Mds.
Burdwan ... ..	3,03,551	1,277	49,315	Hazareebagh ... ..	46,296	20	1,775
Beerbhoom ... ..	66,000	498	11,679	Manbhoom ... ..	46,004	339	2,539
Midnapore ... ..	11,300	316	5,114	Total of Chota Nagpore ...	92,900	359	4,314
Hooghly ... ..	73,672	1,496	19,770	Grand total of supplies into the province under the Lieutenant-Governor of Bengal.	62,28,194	18,222	4,08,290
24-Pergunnahs ... ..	1,82,047	867	6,506	OTHER PROVINCES.			
Nudda ... ..	7,60,871	3,014	10,150	Assam ... ..	3,67,460	380	9,748
Jessore ... ..	8,803	6	5,359	N. W. Provinces ... ..	16,11,260	1,848	4,423
Moorsheadabad ... ..	1,05,488	264	11,868	Punjab ... ..	3,71,817	1,510	.....
Dinagopore ... ..	.....	.....	2,225	Central Provinces ... ..	1,27,200	112	.....
Rajshahy ... ..	.....	.....	5,352	Rajpootana States ... ..	1,50,584	55	.....
Rungpore ... ..	90,000	15	.....	Bombay ... ..	8,5524	5,366	.....
Pubna ... ..	2,46,720	492	33,801	Madras ... ..	1,43,024	573	1,670
Dacca ... ..	7,43,080	73	36,769	Nizam Territory ... ..	1,038	.....	.....
Furroedpore ... ..	4,38,950	1,975	30,694	Other places ... ..	5,42,226	1,593	8
Backerkunge ... ..	1,12,050	22	27,684	Grand total of { In Jan. 1878 ...	1,02,32,617	20,987	4,24,148
Mymensingh ... ..	.....	10	8,925	exports. { In Jan. 1877 ...	1,24,96,982	14,930	4,94,166
Tipperah ... ..	.....	.....	1,700	The sea-borne trade of Calcutta in these staples during the month of January 1878 was as follows:—			
Chittagong ... ..	1,20,375	115	.....	IMPORTED INTO CALCUTTA:—			
Noakholly ... ..	12,256	2	.....		Rs.*	Mds.	Mds.
Total of Bengal ...	33,16,034	10,430	2,64,576	From Foreign Ports (viz.)—			
BEHAR.				United Kingdom ... ..	1,38,27,404	15,573	5,93,067
				Other foreign ports ... ..	81,552	229	92,971
Patna ... ..	12,21,043	733	72,168	Total of foreign trade ...	1,39,08,960	15,807	6,76,038
Shahabad ... ..	1,60,562	17	15,169	From Indian Ports—			
Mozufferpore ... ..	90,032	.....	1,379	Madras ... ..	20,614	11	6,400
Durbhunga ... ..	2,46,492	193	12,270	Other Madras ports ... ..	952	114	10,414
Monshyr ... ..	1,71,608	122	6,209	Bombay ... ..	3,80,917	7,470	52,039
Bhagulpore ... ..	2,56,363	496	15,101	Other Indian ports ... ..	5,984	34	.....
Purneah ... ..	1,84,775	271	6,397	Total of interportal trade ...	3,78,497	7,631	68,853
Malda ... ..	.....	.....	16,299	Grand total { In Jan. 1878 ...	1,42,87,457	23,438	7,44,891
Sonthal Pergunnahs ...	3,63,890	784	475	exports. { In Jan. 1877 ...	70,05,321	15,857	5,00,857
Total of Behar ...	26,97,973	2,616	1,30,314				
ORISSA.							
Cuttack ... ..	1,13,072	1,277	32				
Balasore ... ..	11,400	540	54				
Total of Orissa ...	1,24,472	1,817	86				

The following Statement shows the several routes followed by the Trade in the principal staples of Traffic exported from Calcutta during the month of January 1878

Specification of routes.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
	Rs.	Mds.	Mds.
By country boats ... ..	91,982	650	2,01,720
.. river steamers ... ..	5,79,510	419	2,804
.. rail { East Indian Railway	62,30,364	14,117	1,80,466
.. rail { Eastern Bengal Railway	21,25,010	5,314	29,221
.. road ... ..	2,12,094	2,120	8,104
.. sea ... ..	9,51,597	4,081	1,773
Grand total of exports ... { In Jan. 1878 ...	1,02,32,617	26,987	4,24,148
.. { In Jan. 1877 ...	1,24,96,982	14,930	4,94,166

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 2nd March 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, Mar. 2 '78	Nil	A little rain fell at Raneeunge on the 27th ultimo; the quantity is not stated. The <i>rubbee</i> crops have been almost reaped. Potato has turned out tolerably well. <i>Til</i> is being sown. Cotton plants are improving. Sugarcane is good and is being cut. State and prospects of the crops in Raneeunge and Cutwa sub-divisions are as before. Cholera still rages in Culna sub-division. Both cholera and fever are still prevalent in Jehanabad sub-division.
	2 Bankoora, .. 2 ..	Nil	Weather—very warm till the night of the 27th ultimo, when a thunderstorm cooled the air. The cold-weather crops are being reaped and giving a large outturn.
	3 Beerbhoom, .. 2 ..	Nil	Weather—somewhat cooler than last week. The cold-weather crops are doing well. The sugarcane crop is very good.
	4 Midnapore, .. 2 ..	Nil	Weather—grown somewhat cooler in the Sudder station; unseasonably warm elsewhere. The crops are nearly all harvested, but the outturn is not quite satisfactory.
	5 Hooghly, .. 2 ..	Nil	Weather—cloudy. Close in the first part of the week, but cool since the night of the 27th ultimo, when there were a few drops of rain accompanied with thunder and lightning. Sugarcane is being planted out. The <i>rubbee</i> crops are being reaped; the outturn will be about fourteen annas. Public health is normal. One case of small-pox has been reported from Bullagur station.
PRESIDENCY DIV.	Howrah, .. 4 ..	Nil	Weather—rather cooler this week. Little or nothing on the ground but the <i>boro dhan</i> which is planted on the edges of the Rajapore bheel. A larger area has been planted than last year, and it is doing well. Small-pox is on the increase.
	<i>Central Districts.</i>		
	6 24-Pergunnahs, Mar. 2 '78	Nil	What crops there are on the ground promise well, but rain is wanted. Public health is generally good, though a few cases of cholera are reported.
	7 Nuddea, .. 2 ..	1·10	There has been rain generally. The weather was oppressive and hot, but since the rain it has become cool. There is not much on the ground, and what there is, is poor. The mango blossoms have been injured by the wind, but the rain has been of much use in enabling the cultivators to prepare their lands for rice.
	8 Jessore, .. 2 ..	0·35	Weather—cooler after the rain. The winter crops are harvested. Ploughing is going on for spring sowings which will be commenced, now that the rain has fallen. In Khoolna, Narail and Bagirhat the <i>boro dhan</i> has suffered from drought.
RAJSHAHY AND COOCH BEHAR DIV.	9 Moorshedabad, .. 2 ..	0·18	Weather—seasonable. A little injury has been done to the crops in Gowas and Mohirapore thanas by hail and rain, but favourable reports are received of the crops elsewhere. Cholera prevails in three thanas.
	10 Dinagepore, .. 1 '78	Nil	Weather—fair. Rice is selling at 18½ seers the rupee; purchases are being made in large quantities; a rise in price is expected.
	11 Raishahye, .. 2 ..	0·05	There has been a slight fall of rain throughout the district during the week. The prospects of the <i>rubbee</i> crops continue to be satisfactory. <i>Boro</i> paddy is now being transplanted. Jute is also being sown. A few cases of cholera and small-pox have been reported from Lalpore and Bagmara police stations and from the Nowhatta outp st.
	12 Rangpore, .. 1 ..	Nil	There were a few drops of rain on the night of the 27th ultimo, but not enough to measure. Westerly winds are prevalent. State and prospects of the crops continue to be satisfactory. The outturn of sugarcane will be good. Cholera is somewhat prevalent in the east of the district.
	13 Bogra, .. 2 ..	0·02	Weather—clear and seasonable. No change in the state and prospects of the standing crops. Jute and sessamum are being sown in the eastern part of the district.
	14 Pubna, .. 2 ..	1·10	Weather—warm during the first and cold during the latter part of the week. Rain with hailstones, attended by a heavy storm, fell on the night of the 27th ultimo. The prospects of <i>mutter</i> , <i>khesuri</i> and <i>mosoor</i> appear to be not bad. The <i>rubbee</i> crops promise a fair outturn. Nearly fifteen annas of <i>kuldi</i> have been gathered.
	15 Darjeeling, .. 1 ..	Not measurable.	A good deal of high wind, which has dispersed the mist and clouds so long hanging about. There was a sprinkling of rain. All the crops are progressing, favourably, but there is nothing of importance on the ground at present.
	16 Julpigoree, .. 2 ..	Nil	Weather—seasonable. The land is being prepared for <i>dhadoi</i> paddy. Mustard tobacco, <i>cheena</i> , <i>kaon</i> and wheat are promising.
RAJSHAHY AND COOCH BEHAR DIV.	Cooch Behar, Feb. 28 ..	Nil	The weather is mild yet, but is gradually becoming warm. The prospects of <i>cheena</i> and <i>kaon</i> are good. The cultivators are busy in preparing lands for sowing <i>bitri dhan</i> . Tobacco is being cut. Public health is generally good; but in Dinhatta a few cases of small-pox have appeared.

No.	District, and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.</i>			
<b>Dacca Divn.</b>	17 Dacca, Mar. 2 '78	0.55 Manick- gunge 0.32	Weather—good. Rain fell on the 28th ultimo, and since then it is cool. State and prospects of the crops are favorable. The rain has allowed ploughing to be done and sowing in places.
	18 Furreedpore, „ 2 „	0.80 Goa- lundo. 0.27	Weather—cloudy. There was a pretty heavy shower on the night of the 27th ultimo. Prospects of the <i>rubber</i> crops are good. Sugarcane has been harvested. The ground is being prepared for the early rice crop.
	19 Backergunge, Feb. 28 „	Nil	Things are generally in a satisfactory state, but food continues dear. Rice is selling at 12 pukka seers per rupee, which is very high.
	20 Mymensingh, Mar. 1 „	1.32	Weather—unsettled. The cold-weather crops have been generally gathered. Ploughing has commenced.
	21 Tipperah, „ 1 „	0.3	Weather—warm, with a southerly wind; unsteady and cloudy. About three-fourths of the sugarcane crop have been cut with a fair outturn. Chillies have begun to be gathered. Rice is being exported to Naraingunge, Calcutta and Noakholly. Price of rice ranges from Rs. 2-9 to Rs. 3; the average price is about Rs. 2-13.
<b>Chittagong Divn.</b>	22 Chittagong, Feb. 28 „	0.12	Weather—variable. Sunny and cloudy at times. A few drops of rain fell on the 24th, and there are prospects of more. In some stations the lands are being ploughed for <i>pania aus</i> by bunding hill streams. The cold-weather crops want more rain. The price of rice is from 9 to 13 seers per rupee; in the south it is from 12 to 16 seers. Cholera is reported from Raojan, and small-pox from Satkania.
	23 Noakholly, „ 28 „	Nil	Weather—warm. The cold-weather crops are progressing favorably, but would be improved by a little rain. Public health is good.
	24 Chittagong Hill Tracts, „ 26 „	0.7	Weather—seasonable. A slight fall of rain on the 24th February which has improved the prospects of tobacco. The hillmen are busily engaged in cutting jungle for jooming.
	Hill Tipperah, „ 27 „	Nil	Weather—generally fair, but occasionally cloudy. Nothing particular to report regarding the state and prospects of the crops. Chillies are being gathered here and there. The price of common rice has risen to 13 seers for the rupee.
<b>BEHAR.</b>			
<b>Patna Divn.</b>	25 Patna, Mar. 2 '78	Nil	Weather—seasonable. Nothing new to report about the state and prospects of the crops.
	26 Gaya, „ 2 „	0.02	There has been a return of cold weather within the last couple of days. Maximum thermometer in the shade 94.6°. No change of prospects. Wheat, barley, gram, and peas are being cut in places. Prices are rather easier.
	27 Shahabad, „ 2 '78	Drizzling	Strong west wind blowing. Weather now and then cloudy. Wheat and gram are being harvested. Peas are somewhat damaged by insects which have appeared of late. <i>Cheena</i> promises well. Public health is good.
	28 Durbhunga, „ 2 „	Nil	Weather—seasonable. State and prospects of the crops are satisfactory.
	29 Mozufferpore, „ 2 „	Nil	Weather—cool, with strong west wind. The <i>rubber</i> crops are going on very well and a good average outturn may be expected if the weather continues favorable. The poppy crop everywhere is very poor. There is promise of an excellent mango season.
	30 Saran, „ 2 „	Nil	Weather—hot and dusty; west wind prevailing. No change to report in the state and prospects of the crops. The <i>rubber</i> is all round a good average crop. Prices are stationary. Public health is good.
<b>Bhagulpore Division.</b>	31 Champaran, „ 2 „	Nil	Weather—cool at night and hot during the day. It is becoming warmer day by day. The prospects of the <i>rubber</i> crops are the same as reported last week. The poppy prospects are not favorable; rain is much wanted to make the existing plants blossom well.
	32 Monghyr, „ 2 „	Nil	Weather—cool, with west winds. The crops are excellent, especially the poppy.
	33 Bhagulpore, „ 2 „	Nil	Weather—cloudy and warm, with strong west winds in the early part of the week; within the last few days it has become quite cold again, and the days are now calm and bright. The <i>rubber</i> crops promise well everywhere. Prices are again rising in consequence of heavy purchases for export. Health is good.
	34 Purneah, „ 2 „	Nil	Weather—very cool for this time of year. Prospects of the crops continue good.
	35 Maldah, „ 2 „	Nil	Weather—fair, with great variation of temperature. State and prospects of the crops are generally satisfactory. Public health is fair, but a few cases of cholera and small-pox are still reported.
	36 Sonthal Pergah, „ 3 „	Nil	Weather—very cool. No change in the state and prospects of the crops. Cholera and small-pox are prevalent in Deoghur.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>ORISSA.</b>			
ORISSA DIVA.	37 Cuttack ... ..	....	Return not received.
	38 Pooree, Feb. 28 ..	Nil	Weather—warm for the season. <i>Sarad</i> rice, <i>kulthi</i> and <i>mandia</i> are being harvested. <i>Dalua</i> rice is suffering for want of rain. <i>Moong</i> and <i>kalai</i> are doing well. Common rice is selling at 18½ to 17½ seers for the rupee. Export of rice to the Madras Presidency continues. The condition of the labouring classes in the famine tract between the Chilka and the sea has improved a little as they are now getting employment in salt manufacture. Public health is good.
	39 Balasore, Mar. 1 ..	0.03	Weather—fair. Prospects of the crops are good. A few deaths from cholera and small-pox have been reported.
<b>CHOTA NAGPORE.</b>			
	<i>South-West Frontier Agency.</i>		
40	Hazareebagh, Mar. 1 '78	0.01	Weather—unseasonably cold. The <i>rubbee</i> crops are much below the average both in acreage and in produce. Export of food-grains is very great. Prices are very high and tending upwards. No actual distress is yet felt, but a great number of the poorer classes are emigrating to the tea districts.
41	Lohardugga, .. 2 ..	Nil	Weather—seasonable. No change to report in the state and prospects of the crops. Large exportation still continues, and prices are generally very much higher than at this time in preceding years. The health of the district is good.
42	Singbhoom, .. 1 ..	Nil	Weather—seasonable. No crops to report about. The district is healthy.
43	Manbhoom, .. 2 ..	Nil	Weather—seasonable. The <i>mohwa</i> prospects are good, and if the weather keeps up, there ought to be an average crop, which will be very acceptable under existing difficulties.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 5th March 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.



● *RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the*

QUANTITIES PER RUPEE BY

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BUTRUSH MILLET— CUMBOO, BAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
BENGAL.																									
Western Districts.																									
1	Burdwan	16 0	11 12	12 8	26 0	23 0	23 0	14 4	13 14	20 0	15 0	14 2	21 4	...	...	...	...	...	...						
2	Bankoora	12 8	13 4	14 0	22 0	22 0	20 0	12 8	15 0	25 0	17 8	17 2	30 0	...	...	...	...	...	...						
3	Beerbhoom	11 0	11 0	15 0	20 0	20 0	...	12 0	12 0	18 0	15 0	13 8	24 0	...	...	...	...	...	...						
4	Midnapore	12 0	12 0	17 0	...	...	...	15 0	13 0	20 0	17 0	17 0	24 0	...	...	...	...	...	...						
5	Hooghly	12 8	12 8	15 0	...	...	...	10 0	10 0	{ 11 0 to 11 8 }	13 0	13 0	18 0	...	...	...	...	...	...						
6	Howrah	12 4	13 8	14 0	...	...	...	8 0	11 0	14 0	13 0	14 0	16 0	...	...	...	...	...	...						
Central Districts.																									
7	Calcutta	11 12	12 4	13 0	16 0	16 0	25 0	7 0	7 0	9 0	12 0	12 0	13 0	...	...	...	...	...	...						
8	24-Pergunnahs*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
9	Nuddea	12 5	12 5	15 4	...	30 8	...	13 5	11 7	13 4	12 13	12 5	16 0	...	...	...	...	...	...						
10	Jessore	11 12	11 8	...	...	...	...	11 12	11 8	15 0	15 0	14 8	20 0	...	...	...	...	...	...						
11	Moorshedabad	16 0	14 8	18 13	26 0	25 0	35 0	{ 13 0 to 14 0 11 0 to 13 0 }	18 0	{ 14 8 to 15 0 15 0 to 15 0 }	14 8	13 8	20 0	...	...	...	...	...	...						
12	Dinapore	12 0	12 0	11 0	23 0	11 8	16 0	14 8	16 12	21 0	18 8	19 0	28 0	...	...	...	...	...	...						
13	Rajshahye	12 0	15 0	13 8	37 8	37 8	...	12 12	{ 9 0 to 10 0 11 0 to 12 0 }	13 8	15 0	15 0	21 0	...	...	...	...	...	...						
14	Rungpore	15 0	15 0	22 8	...	...	...	11 15	12 12	15 0	18 0	22 8	20 0	...	...	...	...	...	...						
15	Bogra	12 0	9 12	15 0	...	...	...	12 0	12 0	20 0	16 8	10 2	30 0	...	...	...	...	...	...						
16	Pubna	13 0	13 4	18 12	...	...	...	8 0	8 0	12 0	15 0	15 0	22 8	...	...	...	...	...	...						
17	Darjeeling*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...						
18	Julpigoree	10 0	10 0	8 0	...	...	...	12 0	13 0	16 0	16 0	16 0	20 0	...	...	...	...	...	...						
Eastern Districts.																									
19	Dacca	13 1	12 4	13 5	32 0	32 0	53 0	11 12	12 4	17 10	14 8	15 3	21 0	...	...	...	...	...	...						
20	Furreedpore	15 0	15 0	23 0	...	...	30 0	8 0	8 0	9 0	14 0	14 0	20 0	...	...	...	...	...	...						
21	Backergunge	...	...	...	...	...	...	11 0	11 0	14 0	14 0	14 0	16 0	...	...	...	...	...	...						
22	Mymensingh	10 0	10 0	14 0	...	...	...	13 0	13 8	20 0	14 8	15 0	26 0	...	...	...	...	...	...						

\* Returns not received

A In the interior the prices range as follow:—Wheat 10 to 16½ seers, barley (at Culna) 30 seers, best rice 12 to 15½ seers, common rice 14 to 16½ seers, and gram 12½ to 20 seers.

B In the interior the prices range as follow:—Wheat 14 to 16 seers, barley 20 to 35 seers, best rice 16 to 18 seers, common rice 20 seers, maize or Indian-corn 20 to 39 seers, and gram 15 to 16 seers.

C In the interior the prices range as follow:—Wheat 12 to 17 seers, best rice 13½ to 17 seers, common rice 14½ to 18 seers, and gram 13 to 21 seers.

D In the interior the prices range as follow:—Wheat 12 to 13½ seers, barley 22 to 32 seers, best rice 7 to 12½ seers, common rice 13 to 14 seers, and gram 12½ to 18 seers.

E In the interior the prices range as follow:—Wheat 8 to 13½ seers, best rice 10 to 13 seers, common rice 13 to 16½ seers, and gram 11½ to 16½ seers.

F In Raingunge the prices are—Wheat 12½ seers, best rice 16 seers, common rice 17½ seers, and gram 20 seers.

*undermentioned Districts of Bengal for the Fortnight ending 28th February 1878.*

THE SEER OF 80 TOLAHS.

GREAT MILLET - CHOLU, JOWAR.						LESSER MILLETS - RAGI OR MURWA AND CHHENA.						MAIZE OR INDIAN- CORN.						GRAM.						FIREWOOD.						SALT.						DISTRICTS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.

G In Nattore the prices are—Wheat 15 seers, best rice 10½ seers, common rice 15½ seers, and gram 15 seers.

H In the interior the prices range as follow:—Wheat 16 to 20 seers, best rice 15 to 16 seers, common rice 18 to 20 seers, and gram 8 to 15 seers.

I In Serajgunge the prices are—Wheat 10½ seers, best rice 8 seers, common rice 13 seers, and gram 12 seers.

J In the interior the prices range as follow:—Wheat 10 seers, best rice 6 to 13 seers, common rice 10 to 17 seers, and gram 10 to 11 seers.

K In the interior the prices range as follow:—Wheat (at Jaffargunge) 10 seers, barley (at Jaffargunge) 18 seers, best rice 10 to 14 seers, common rice 13 to 16 seers, and gram 13½ to 18 seers.

L In the interior the prices range as follow:—Wheat (at Goalundo) 13 seers, barley (at Goalundo) 20 seers, best rice 10 to 12½ seers, common rice 12 to 16 seers, and gram 12 to 14 seers.

M In the interior the prices range as follow:—Best rice 11 to 12 seers, common rice 12 to 14 seers, and gram (at Perozapore) 12 seers.

N In the interior the prices range as follow:—Wheat 10 to 14 seers, best rice 7 to 14 seers, common rice 12½ to 16 seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULURUSH MILLET— CUMBOO, BAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
Eastern Districts—(Contd.)																									
21	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Noakholly	...	...	...	...	...	...	...	...	8 0	9 0	10 0	12 0	13 0	17 0	...	...	...	...	...	...	...	...	...	...
23	Tipperah	...	...	10 0	10 8	11 0	...	...	...	12 0	12 8	14 0	14 0	15 0	21 0	...	...	...	...	...	...	...	...	...	...
24	Chittagong Hill Tracts*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	...	...	8 6	8 0	11 0	...	...	...	12 0	14 0	16 5	13 0	17 0	26 0	...	...	...	...	...	...	...	...	...	...
BEHAR.																									
25	Patna	...	...	16 0	15 0	22 0	31 0	20 0	24 0	10 8	10 0	16 0	16 0	15 0	22 0	...	...	...	...	...	...	...	...	...	...
26	Gya	...	...	18 0	15 0	16 0	22 0	21 0	28 0	9 0	9 0	13 0	13 0	13 8	22 4	...	...	...	...	...	...	...	...	...	...
27	Shahabad	...	...	13 8 to 14 0	13 0 to 14 0	16 0 to 17 0	19 0	18 8	28 0	11 0 to 12 0	11 0 to 12 0	17 8 to 18 0	13 8	13 0	19 0	...	...	...	...	...	...	...	...	...	...
28	Durbhunga	...	...	14 12	14 4	15 4	22 0	22 0	26 8	11 0	11 8	16 8	14 4	14 4	20 12	...	...	...	...	...	...	...	...	...	...
29	Mozufferpore	...	...	13 0	13 0	15 0	...	...	32 0	8 0	8 0	11 0	12 0	13 0	19 0	...	...	...	...	...	...	...	...	...	...
30	Sarun	...	...	12 4	12 0	16 0	19 0	18 8	30 0	7 12	7 12	11 0	11 12	11 12	18 0	...	...	...	...	...	...	...	...	...	...
31	Chumparun	...	...	14 0	14 0	14 0	21 0	21 0	...	9 0	9 0	9 0	12 0	12 0	22 0	...	...	...	...	...	...	...	...	...	...
32	Monghyr	...	...	13 11	14 7	15 7	14 7	18 9	32 5	10 5	8 4	12 6	13 6	12 6	21 0	...	...	...	...	...	...	...	...	...	...
33	Bhagulpore	...	...	13 4	13 4	16 5	23 0	20 3	16 5	11 6	11 6	18 15	13 6	13 14	21 5	...	...	...	...	...	...	...	...	...	...
34	Purneah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35	Maldah	...	...	14 0	14 4	14 8	35 0	32 0	40 0	16 0	16 0	22 8	17 0	18 8	26 0	17 0	...	...	...	...	...	...	30 0	...	...
36	Sonthal Pergunnahs	...	...	9 0	9 0	18 0	...	...	...	12 0	12 0	18 0	13 0	13 0	23 0	...	...	...	...	...	...	...	40 0	...	...
ORISSA.																									
37	Cuttack	...	...	10 8	8 2	17 1	...	...	...	9 3	9 3	13 2	13 2	13 2	19 6	...	...	...	...	...	...	...	...	...	...
38	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Balasore	...	...	11 0	14 0	15 0	...	...	...	10 8	14 0	15 0	14 0	16 0	21 0	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																									
South-Western Frontier Agency.																									
40	Hazareebagh	...	...	12 8	13 0	13 0	...	...	...	9 8	9 8	13 0	13 8	13 8	21 4	...	...	...	...	...	...	...	...	...	...
41	Lohardugga	...	...	10 0	10 0	10 0	18 0	18 0	...	13 0	13 0	24 0	15 0	16 0	30 0	...	...	...	...	...	...	...	...	...	...
42	Singbhoom	...	...	16 0	16 0	24 0	36 0	36 0	32 0	16 0	16 0	20 0	22 0	22 0	40 0	...	...	...	...	...	...	...	...	...	...
43	Manbhoom	...	...	11 0	11 0	14 0	32 0	32 0	32 0	14 0	14 0	18 0	17 8	17 0	32 0	...	...	...	...	...	...	...	...	...	...

\* Returns not received.

† Common rice went as high as 11 seers for the rupee.

‡ In the interior the price of common rice ranges from 18½ to 21 seers.

§ In the interior the prices range as follow:—Best rice 9 to 14 seers, and common rice 13 to 15 seers.

P In the interior the prices range as follow:—Wheat 13 to 15 seers, barley (at Jehanabad) 1½ seers, best rice (at Jehanabad) 9 seers, common rice 12 to 14 seers, lesser millets (at Nowada) 22 seers, maize or Indian-corn (at Nowada) 20 seers, and gram 16 to 18½ seers.

Q In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 15 to 17 seers, best rice 8 to 9 seers, common rice 11 to 13 seers, bulrush millet (at Buxar) 13 seers, great millets 12 to 14½ seers, lesser millets (at Basseram) 18 seers, maize or Indian-corn 14½ to 17 seers, and gram 15 to 15½ seers.

R In the interior the prices range as follow:—Wheat 13 to 18 seers, barley (at Mudhoubani) 25 seers, best rice 9 to 16 seers, common rice 14 to 17 seers, lesser millets 20 to 22 seers, maize or Indian-corn 19 to 22 seers, and gram 15 to 16 seers.

S In the interior the prices range as follow:—Wheat 12 to 22½ seers, barley 20 to 27 seers, best rice 8 to 15 seers, common rice 12 to 16 seers, lesser millets 19½ to 23 seers, maize or Indian corn 16½ to 24 seers, and gram 13 to 22 seers.

CALCUTTA,  
The 5th March 1878.

mentioned Districts of Bengal for the Fortnight ending 28th February 1878.—(Contd.)

## THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
Eastern Districts—(Contd.)																		
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Chittagong.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	10 0	10 0	13 0	...	...	...	8 0	8 0	8 0	Noakholly.
...	...	...	...	...	...	...	...	...	12 0	12 8	13 0	...	...	...	8 8	8 8	8 12	Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.*
...	...	...	...	...	...	...	...	...	10 0	10 0	14 0	...	...	...	8 0	8 0	6 0	Hill Tipperah.
BEHAR.																		
...	...	30 0	...	...	...	20 0	19 0	36 0	21 0	18 0	24 0	150 0	150 0	140 0	8 0	8 0	8 0	Patna.
...	...	...	...	17 0	...	16 8	16 8	36 8	18 0	17 8	20 0	160 0	160 0	160 0	8 0	8 0	8 0	Gya.
18 0	17 0	{ 25 0 to 25 0 }	18 0	17 8	25 0	...	...	30 0	16 8	17 8	22 0	160 0	160 0	180 0	9 0	9 0	8 12	Shahabad.
...	...	...	20 0	20 12	23 0	20 12	19 8	31 12	15 4	15 4	18 12	187 0	187 0	176 0	8 0	8 0	8 12	Durbhunga.
...	...	...	...	...	...	18 0	19 0	35 0	14 0	15 0	16 0	140 0	160 0	140 0	8 0	8 0	8 8	Mozufferpore.
17 0	16 8	30 0	20 0	18 0	30 0	17 4	16 8	29 8	16 0	16 0	22 0	160 0	160 0	160 0	8 0	8 0	8 0	Sarun.
...	...	...	...	...	35 0	19 0	18 0	38 0	17 0	17 0	21 0	...	...	...	7 8	7 0	7 0	Chumparun.
...	...	...	...	...	...	16 8	15 7	29 4	16 8	16 8	21 0	126 0	126 0	126 0	8 4	8 4	8 4	Monghyr.
...	...	...	...	...	...	17 11	18 15	31 9	17 0	17 11	18 15	151 9	151 9	157 12	8 13	8 3	8 13	Bhagulpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Purneah.*
...	...	...	...	...	...	22 8	20 0	45 0	16 0	17 0	16 0	120 0	120 0	130 0	8 8	9 0	8 4	Maldah.
...	...	...	...	...	...	16 0	16 0	40 0	13 0	14 0	13 0	...	200 0	200 0	8 0	8 0	8 0	Sonthal Pergas.
ORISSA.																		
...	...	...	10 8	17 1	21 0	...	...	...	17 1	18 6	17 1	200 0	200 0	200 0	11 0	11 0	13 0	Cuttack.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	...	...	...	...	...	...	10 0	13 0	11 0	120 0	120 0	120 0	8 8	8 7	9 5	Balasore.
CHOTA NAGPORE.																		
South-Western Frontier Agency.																		
...	...	...	18 0	...	36 0	16 0	...	31 0	16 0	16 8	16 0	240 0	240 0	200 0	8 0	8 0	8 0	Hazareebagh.
...	...	...	30 0	30 0	44 0	28 0	...	...	16 0	14 0	12 0	160 0	160 0	180 0	7 0	7 0	7 0	Lohardugga.
...	...	...	...	...	...	...	...	...	20 0	20 0	24 0	320 0	320 0	320 0	6 8	6 8	6 9	Singbhoom.
...	...	...	64 0	64 0	64 0	40 0	40 0	...	14 0	15 0	20 0	160 0	160 0	200 0	8 0	8 0	8 0	Manbhoom.

T In the interior the prices range as follow :—Wheat 12 to 15 seers, barley 20 to 22 seers, best rice 8 to 10 seers, common rice 11 to 12½ seers, lesser millets 22 to 24 seers, maize or Indian-corn 15 to 20½ seers, and gram 13 to 22½ seers.

U In the interior the prices range as follow :—Wheat 14 to 20 seers, barley (at Banka) 20 seers, best rice 15 to 20 seers, common rice 16 to 22 seers, murwa 25 to 35 seers, maize or Indian-corn (at Banka) 18 seers, and gram 15 to 16 seers.

V In the interior the prices range as follow :—Wheat 12½ to 14 seers, barley 20 seers, best rice 14 to 16½ seers, common rice 16 to 17½ seers, maize or Indian-corn 18 to 20 seers, and gram 16 to 18 seers.

W In the interior the prices range as follow :—Wheat 13 seers, best rice (at Chuttra) 9 seers, common rice 13 to 14 seers, maize or Indian-corn 16 to 16½ seers, and gram 14 to 18 seers.

X In the interior the prices range as follow :—Wheat 15 to 16½ seers, barley (at Daltongunge) 20½ seers, best rice 11½ to 16 seers, common rice 12½ to 18 seers, mohwa (at Daltongunge) 40½ seers, maize or Indian-corn (at Daltongunge) 16½ seers, and gram 18½ to 20 seers.

Y In the interior the prices range as follow :—Wheat 11 to 16 seers, best rice 13 to 20 seers, common rice 16 to 22 seers and gram 12 to 16 seers.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 7 0	3 4 0	...	2 8 0	2 8 0	...	5 8 0	5 8 0	...	3 5 0	3 5 0	...	...	...	...
2	Berajgunge ...	3 8 0	3 0 0	...	...	...	...	4 8 0	4 8 0	...	2 12 0	2 10 0	...	...	...	...
3	Dacca ...	3 2 0	3 3 0	...	1 2 0	1 2 0	...	3 4 0	3 3 0	...	2 10 0	2 8 0	...	...	...	...
4	Naraingunge...	...	...	...	...	...	...	3 0 0	2 15 0	...	2 15 0	2 12 0	...	...	...	...
5	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ..	2 8 0	2 10 9	...	1 14 6	2 0 0	...	3 12 0	4 0 0	...	2 8 0	2 10 9	...	...	...	...
7	Balasore ...	3 8 0	2 15 0	...	...	...	...	3 12 0	2 13 0	...	2 13 0	2 8 0	...	...	...	...
8	Poorce*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	3 10 0	4 12 0	...	...	...	...	4 2 0	4 2 0	...	2 13 0	2 13 0	...	...	...	...

\* Returns not received.

CALCUTTA,  
The 5th March 1878..

in the undermentioned *Marts* of Bengal for the Fortnight ending 28th February 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 03 6 0	...	...	...	...	...	3 12 03 12 0	...	...	2 8 03 8 0	...	...	0 7 00 7 0	...	...	4 0 04 0 0	...	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 02 8 0	...	...	...	...	...	4 6 04 6 0	...	...	Serajunge.
...	...	...	...	...	...	...	...	...	2 9 03 2 0	...	...	0 6 00 6 0	...	...	4 6 04 6 0	...	...	Dacca.
...	...	...	...	...	...	...	...	...	2 15 02 15 0	...	...	0 9 00 9 0	...	...	4 6 04 4 3	...	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	2 0 01 14 3	...	...	1 14 62 3 6	...	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 0 03 12 0	...	...	0 5 60 5 6	...	...	4 12 04 12 0	...	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	3 10 02 4 0	...	...	...	...	...	2 4 02 0 0	...	...	0 3 00 3 0	...	...	3 8 03 8 0	...	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 10th to 16th Feb. 1878.	Rain from 17th to 23rd Feb. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL.								
BURDWAN	WESTERN DISTRICTS.		Inches.	Inches.	1878.			
		Burdwan ... ..	Nil	Nil	0.27	23rd Feb.		
	Burdwan ... ..	Cutwa ... ..	0.09	ditto	0.20	ditto		
		Culina ... ..	Nil	0.18	0.28	ditto		
		Bood-Bood ... ..	ditto	Nil	0.26	ditto		
		Raueergunge ... ..	0.07	ditto	0.46	ditto		
		Johanabad ... ..	0.13	ditto	1.12	ditto		
	Bankoora ... ..	Bankoora ... ..	0.03	ditto	1.90	ditto		
	Beerbhoom ... ..	Sooree ... ..	0.54	ditto	0.94	ditto		
		Hetampore ... ..	0.20	ditto	0.26	ditto		
		Roypore ... ..	Nil	ditto	0.20	ditto		
	Midnapore ... ..	Midnapore ... ..	ditto	ditto	2.38	ditto		
		Tumlook ... ..	ditto	ditto	1.05	ditto		
		Ghattal ... ..	ditto	ditto	2.10	ditto		
	Hooghly ... ..	Contai... { Dy. Collr.'s Office... {	ditto	ditto	0.35	ditto		
		Hooghly ... ..	Exe. Engr.'s Office	Not recd.	Not recd.	0.47	2nd Feb.	
				0.39	Nil	0.66	23rd Feb.	
Howrah ... ..	Serampore ... ..	0.06	ditto	0.97	ditto			
	Howrah ... ..	0.03	ditto	1.74	ditto			
CENTRAL DISTRICTS.	Maheshreka ... ..	0.40	ditto	2.91	ditto			
	PRESIDENCY.	Saugor Island ... ..	0.20	ditto	0.80	ditto		
24-Pergunnahs ... ..		Alipore ... { Observatory ... ..	0.07	0.43	0.51	ditto		
		Alipore ... { Dispensary ... ..	0.03	0.71	3.64	ditto		
			Jail ... ..	0.03	0.69	3.55	ditto	
		Buaseerhat ... ..	Nil	Not recd.	0.82	16th Feb.		
		Baraset ... ..	0.05	ditto	0.67	ditto		
Diamond Harbour ... ..		Nil	0.10	1.21	23rd Feb.			
Barripora ... ..		ditto	Nil	1.37	ditto			
Satkhira ... ..		ditto	ditto	1.14	ditto			
Barrackpore ... ..		ditto	ditto	0.40	ditto			
Dum-Dum ... ..		0.06	ditto	1.41	ditto			
Kishnaghur ... ..		Nil	0.20	0.29	ditto			
Pongong ... ..		ditto	1.10	1.27	ditto			
Meherpore ... ..		0.13	Nil	0.13	ditto			
Nuddea ... ..		Choodanga ... ..	0.18	ditto	0.83	ditto		
		Kooshten ... ..	0.40	ditto	0.61	ditto		
		Ranaghat ... ..	0.12	0.30	0.55	ditto		
		Jessore ... ..	0.29	Nil	0.98	ditto		
		Narail ... ..	0.07	ditto	0.54	ditto		
Jessore ... ..		Khoolna ... ..	0.06	Not recd.	1.04	16th Feb.		
		Jhenida ... ..	0.05	0.06	0.65	23rd Feb.		
		Bagirhat ... ..	0.25	Nil	0.45	ditto		
	Magoorah ... ..	0.22	ditto	1.01	ditto			
	Berhampore ... ..	0.26	ditto	0.55	ditto			
Moorshedabad ... ..	Rampore Haut ... ..	0.35	ditto	0.49	ditto			
	Lallbagh ... ..	0.30	ditto	0.30	ditto			
	Jungypore ... ..	0.89	ditto	1.66	ditto			
	Azimungunge ... ..	0.72	ditto	1.25	ditto			
	Lalgolla ... ..	0.70	ditto	0.80	ditto			
Dinagopore ... ..	Kandee ... ..	0.50	ditto	0.87	ditto			
	Dinagopore ... ..	0.68	ditto	1.27	ditto			
	Raigunge ... ..	0.71	ditto	1.31	ditto			
	Maldah ... ..	0.56	ditto	1.98	ditto			
	Chanchal ... ..	0.92	ditto	1.72	ditto			
Rajshahye ... ..	Banleah ... ..	0.41	ditto	0.43	ditto			
	Nattore ... ..	1.12	ditto	1.12	ditto			
	Rungpore ... ..	0.54	ditto	0.54	ditto			
	Bhabanigunge ... ..	0.73	ditto	0.73	ditto			
	Kurigram ... ..	0.85	ditto	0.85	ditto			
RAJSHAHY.	Bagdogra ... ..	0.63	ditto	1.00	ditto			
	Bogra ... ..	Bogra ... ..	1.56	ditto	1.72	ditto		
		Sherpore ... ..	1.30	ditto	1.41	ditto		
		Nowkhilla ... ..	1.08	ditto	1.17	ditto		
		Panchabibi ... ..	0.82	ditto	1.56	ditto		
Halulya ... ..		1.30	ditto	1.40	ditto			
COCH BEHAR.	Pubna ... ..	Pubna ... ..	0.08	ditto	0.15	ditto		
		Serajungunge ... ..	1.70	ditto	1.83	ditto		
		Darjeeling ... ..	Darjeeling... { Telegraph Office ... ..	0.31	Not recd.	1.08	16th Feb.	
				0.31	0.31	1.29	23rd Feb.	
		Julpigoree ... ..	Julpigoree ... ..	Julpigoree ... ..	0.21	Nil	0.34	ditto
Bodah ... ..	0.40			ditto	0.40	ditto		
Buxa—Civil Surgeon's Office	1.04			ditto	1.57	ditto		
Titulya ... ..	0.37			Not recd.	0.69	16th Feb.		
Cooch Behar Tribu- tary States.	Cooch Behar ... ..	0.67	ditto	0.76	23rd Feb.			

Not received 27th Jan. to 2nd Feb.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 10th to 16th Feb. 1878.	Rain from 17th to 23rd Feb. 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.			
					Inches.	Up to date.				
BENGAL—continued.										
Dacca.	Dacca	Dacca... { Telegraph Office... Hospital ...	0.08 Nil	Nil ditto	0.56 0.73	23rd Feb. ditto				
		Moonahcegunge ... Manickgunge ...	ditto ditto	ditto ditto	0.88 0.33	ditto ditto				
	Furzedpore	Furzedpore ... Goulundo ... Madaripore ...	0.23 0.07 0.87	0.28 Nil ditto	0.54 0.85 1.49	ditto ditto ditto				
		Backergunge	Burrisal ... Perozepore ... Patoakhally ... Bhola ...	0.08 Nil 0.25 Nil	ditto ditto ditto ditto	0.71 0.55 0.59 0.38	ditto ditto ditto ditto			
			Mymensingh	Mymensingh ... Jamalpur ... Atia ... Kishoregunge ...	1.44 1.25 0.59 1.16	ditto ditto ditto ditto	1.44 1.25 0.59 1.85	ditto ditto ditto ditto		
	Chittagong			Chittagong { Telegraph Office Jail ... Cox's Bazar ...	Nil 0.25 Nil	ditto ditto ditto	Nil 0.51 Nil	ditto ditto ditto		
				Noakhally	Noakhally ... Fenny ...	0.70 0.59	ditto ditto	1.89 3.07	ditto ditto	
		Tipperah			Comillah ... Brahmunbariah ...	0.70 0.19	ditto ditto	1.80 1.62	ditto ditto	
			Chittagong Tracts.	Rungamtee Hill... Ruma ...	0.92 Not recd.	ditto ditto	1.44 Nil	ditto ditto	From 17th Feb.	
	Hill Tipperah	Hill Tipperah ...		ditto	ditto	0.62	ditto	Not received 10th to 16th Feb.		
	BEHAR.									
	PATNA.	Patna	Patna ... Behar ... Barh ... Dinapore ... { Jail Cantonment...	0.13 0.22 0.48 Not recd.	ditto ditto ditto Not recd.	1.24 1.37 1.28 1.50	ditto ditto ditto 9th Feb.			
				Nil	Nil	1.50	23rd Feb.			
			Gya	Gya ... Nowadah ... Aurangabad ... Jehanabad ...	0.21 0.42 0.13 0.32	ditto ditto ditto ditto	1.06 2.13 0.97 2.33	ditto ditto ditto ditto		
				Shahabad	Arrah ... Sasseram ... Buxar ... Bhuboah ...	Nil 0.13 0.30 Nil	ditto ditto ditto ditto	1.98 0.93 2.70 2.80	ditto ditto ditto ditto	
		Muzafferpore			Muzafferpore ... Hajepore ... Seetamurhee ...	0.12 0.05 Not recd.	ditto ditto ditto	1.56 1.16 0.21	ditto ditto ditto	Not received 27th Jan. to 16th Feb.
					Darbhanga	Darbhanga ... Mudhoobunsee ... Tajpore ...	0.11 0.17 0.06	ditto ditto ditto	1.04 0.89 0.41	ditto ditto ditto
			Saran			Chupra ... Sewan ...	0.10 0.19	ditto ditto	1.32 2.05	ditto ditto
		Chumparan		Motiharee ... Bettiah ... Segowlie ...		0.25 0.44 0.00	ditto ditto ditto	1.05 1.15 1.41	ditto ditto ditto	
			Monghyr	Monghyr ... Begoeserai ... Jamouee ... Bhagulpore ...	0.25 1.11 0.53 0.68	ditto ditto ditto ditto	0.88 2.03 1.55 2.09	ditto ditto ditto ditto		
				Bhagulpore	Soopool ... Muddehpooa ... Banka ... Sonbursa ...	Nil 0.50 0.80 0.40	ditto ditto ditto ditto	Nil 0.80 2.28 0.80	ditto ditto ditto ditto	
		Purneah			Purneah ... Kisengunge ... Arrarah ...	0.58 0.33 0.21	ditto ditto ditto	0.67 0.81 0.40	ditto ditto ditto	
					Sonthal Pergunnahs...	Nya Doomka ... Rajmehal ... Deoghur ...	0.12 0.80 Not recd.	ditto ditto ditto	0.49 0.80 0.58	ditto ditto ditto	Not received 27th Jan. to 16th Feb.
			Godda ...			0.96	ditto	0.96	ditto	



DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 10th to 16th Feb. 1878.	Rain from 17th to 23rd Feb. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	23rd Feb.		
		{ Hospital	ditto	ditto	0.26	ditto		
		Jajpore	ditto	ditto	Nil	ditto		
		Kendraparah	ditto	ditto	0.30	ditto		
		Jagatsingapore	ditto	ditto	0.10	ditto		
		False Point	ditto	ditto	0.20	ditto		
		Pooree	Pooree	ditto	ditto	Nil		ditto
			Khurdah	ditto	ditto	0.07		ditto
		Balasore	Balasore...	ditto	ditto	0.74		ditto
			Rhadrack	0.10	0.03	0.31		ditto
	Jellasore		0.05	Nil	1.13	ditto		
	Sorah		Nil	ditto	0.08	ditto		
	Chandbally		ditto	ditto	0.20	ditto		
	Cuttack Tributary Mehals.	Sumbalpole	ditto	Not recd.	0.45	16th Feb.		
	CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.							
	Hazareebagh	Hazareebagh... { Jail	0.20	Nil	0.53	23rd Feb.		
		{ Dispensary	0.32	ditto	0.59	ditto		
	Lohardugga	Pachamba	0.04	ditto	0.31	ditto		
		Ranchee	0.06	ditto	0.83	ditto		
	Singbhoom	Palamow	Nil	ditto	0.09	ditto		
		Chyebassa	ditto	ditto	1.06	ditto		
	Manbhoom	Purnia	0.40	ditto	1.71	ditto		
		Govindpore	0.31	Not recd.	0.94	16th Feb.		
	ASSAM & ADJACENT HILLS.							
	Sylhet	Sylhet	0.91	0.03	1.04	23rd Feb.		
	Sibsagar	Sibsagar	1.04	Not recd.	2.00	16th Feb.		
		Golaghat	1.73	ditto	2.40	ditto		
		Jorhat	2.10	ditto	2.30	ditto		
	Rajpootana	Akyab	Nil	Nil	Nil	23rd Feb.		
		Alwar	0.80	ditto	0.80	ditto		
		Jaipur	0.90	ditto	1.29	ditto		
		Sambhar	Nil	ditto	0.10	ditto		

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 2nd March 1878.

Meteorological Telegraphic Report for the period 24th Feb. to 2nd March 1878.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity at 100.	WIND.		Rain.	Clouds	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
ALIPORE.	Feb. 24th	10	30.045	30.067	80.9	63.2	33	N	6.3	.....	.....	b
	16	29.893	29.915	87.5	68.3	28	S	8.0	.....	.....	.....	b
	25th	10	30.054	30.077	80.7	63.9	35	N W	4.3	.....	.....	b
	16	29.894	29.913	85.8	64.7	27	W by S	8.7	.....	.....	.....	b
	26th	10	29.979	30.001	80.1	66.6	46	W S W	6.8	.....	.....	b
	16	29.814	29.833	90.0	67.0	25	W	6.2	.....	.....	.....	b
	27th	10	29.923	29.945	83.7	76.8	73	S W by W	8.8	.....	CK	b
	16	29.793	29.816	86.4	75.5	58	S W	13.5	.....	.....	.....	c
	28th	10	30.041	30.063	78.9	63.9	58	E	8.0	.....	K	c
	16	29.913	29.935	84.4	70.4	47	E by N	9.3	.....	.....	.....	c
SAGOR ISLAND.	March 1st	10	30.015	30.037	75.6	59.0	32	N by E	8.8	.....	K, FK	c
	16	29.890	29.912	77.8	59.7	29	N E by N	10.0	.....	.....	C	c
	2nd	10	30.017	30.039	72.9	58.0	29	N E by N	5.0	.....	.....	b
	16	29.900	29.928	78.9	58.2	22	W by N	5.3	.....	.....	.....	b
	Feb. 24th	10	30.040	30.044	84	70	47	N	10.1	.....	.....	b, m, f
	16	29.933	29.944	89	70	35	N N W	7.6	.....	.....	.....	b, m
	25th	10	30.052	30.058	81	71	50	N	4.4	.....	.....	b, m
	16	29.903	29.909	86	72	48	S	8.4	.....	.....	.....	b, m
	26th	10	29.976	29.982	84	76	68	W	12.8	.....	.....	b, m
	16	29.827	29.833	86	77	65	S	10.2	.....	.....	.....	b, m
CHITTAGONG.	27th	10	29.929	29.935	82	78	83	S	12.4	.....	PK	b, m
	16	29.811	29.817	83	78	79	S	15.9	.....	PK, FK	.....	b, m
	28th	10	30.008	30.014	81	72	63	N E	8.1	0.10	K	b, m, p
	16	29.896	29.902	85	78	72	S E	12.0	.....	P	b, m	
	March 1st	10	30.000	30.008	78	62	80	N	12.0	.....	C	b, m
	16	29.870	29.876	81	64	35	N	17.9	.....	C	b, m	
	2nd	10	30.002	30.008	77	70	69	N N E	9.1	.....	.....	b, m
	16	29.900	29.906	81	66	42	S S W	8.5	.....	.....	.....	b, m
	Feb. 24th	10	29.955	30.043	81	75	74	S E	7.0	0.10	PK	o
	16	29.955	30.048	80	75	78	W	3.0	.....	FK	b, m	
ARAB.	25th	10	29.920	30.012	83	78	79	E	5.3	.....	.....	m
	26th	10	29.922	30.015	82	76	75	S	7.1	.....	FK	m
	27th	10	29.972	30.065	81	72	63	N W	7.7	.....	PK	g
	28th	10	29.882	29.977	77	68	61	N N E	6.5	.....	PK	f, g
	March 1st	10	30.094	30.188	73	67	72	N W	5.4	0.20	.....	b, m
	2nd	10	30.064	30.086	80	74	74	K	0.8	.....	CK	h
	16	30.040	30.082	81	74	71	W N W	2.0	.....	.....	.....	b
	26th	10	30.020	30.042	82	71	66	N W	3.9	.....	.....	b
	27th	10	30.040	30.062	80	74	74	E	1.9	.....	.....	b
	28th	10	30.052	30.074	79	74	78	E	1.3	.....	.....	b
CUTTACK.	March 1st	10	29.997	30.019	79	72	70	N N W	1.6	.....	CK	.....
	2nd	10	30.008	30.030	74	70	81	N E	2.6	0.20	CK, P	.....
	Feb. 24th	10	29.960	30.041	88	71	40	W	1.9	.....	.....	b
	25th	10	29.993	30.075	64	73	57	N	1.6	.....	.....	b
	26th	10	29.903	29.985	85	73	54	N N W	1.8	.....	.....	f
	27th	10	29.853	29.933	89	71	47	S W	4.0	.....	.....	b
	28th	10	29.930	30.011	84	67	37	N N E	4.2	.....	.....	c
	March 1st	10	29.903	29.985	84	75	64	E N E	1.8	.....	C, CK	.....
	2nd	10	29.936	30.019	78	62	36	E N E	1.0	.....	K, CK, C	.....
	16	29.936	30.019	78	62	36	E N E	1.0	.....	.....	.....	m
PALAN POINT.	Feb. 24th	10	30.032	30.047	86	73	61	W N W	7.4	.....	.....	b
	25th	10	30.007	30.082	80	75	78	N N W	2.9	.....	PK, C, K	.....
	26th	10	29.975	29.990	88	74	63	W S W	4.4	.....	.....	c
	27th	10	29.930	29.945	86	78	68	S S W	6.0	.....	.....	b
	28th	10	30.005	30.020	83	72	57	N E	8.3	.....	C	b
	March 1st	10	29.945	30.010	81	72	63	N N E	7.6	.....	C, PC	b
	2nd	10	30.000	30.015	80	65	41	N E	8.0	0.10	C, P, FK	e
	16	29.945	30.010	81	72	63	N N E	7.6	.....	.....	.....	.....
	Feb. 24th	10	30.042	30.074	83	73	60	E S E	2.0	.....	.....	m
	25th	10	30.034	30.065	86	75	59	S S E	2.1	.....	.....	m
VIZAGAPATAN.	26th	10	29.979	30.011	84	74	60	S E	1.5	.....	.....	b
	27th	10	29.919	29.980	87	74	52	S W by W	2.7	.....	.....	b
	28th	10	29.987	30.018	85	77	68	S E by E	2.9	.....	.....	b
	March 1st	10	29.987	30.018	85	75	61	S by E	2.4	.....	.....	b
	2nd	10	29.957	29.989	81	65	31	S E by E	3.3	.....	.....	b
	16	29.957	29.989	81	65	31	S E by E	3.3	.....	.....	.....	b
	Feb. 23rd	10	30.111	30.133	85	75	61	E S E	4	.....	.....	c
	16	29.952	29.974	85	73	51	S E by E	6	.....	.....	.....	.....
	24th	10	30.093	30.115	80	75	58	S E by E	5	.....	.....	.....
	16	29.942	29.964	85	74	58	K by S	6	.....	.....	.....	b
MADRAS.	25th	10	30.104	30.127	83	74	63	S	4	.....	.....	b
	16	29.960	29.982	86	75	58	E S E	8	.....	.....	.....	b, c
	26th	10	30.044	30.066	85	70	64	S S W	8	.....	.....	b, c
	16	29.888	29.910	87	76	58	S E by E	11	.....	.....	.....	b, c
	27th	10	30.003	30.025	87	76	58	S by E	7	.....	.....	c
	16	29.880	29.902	85	74	58	S E by E	11	.....	.....	.....	c
	28th	10	30.015	30.037	85	75	61	S S E	8	.....	.....	c
	16	29.892	29.914	85	75	61	S E	14	.....	.....	.....	c
	March 1st	10	30.018	30.038	86	74	55	S E by S	11	.....	.....	c
	16	29.873	29.895	85	76	64	S E	12	.....	.....	.....	b
COLOMBO.	Feb. 24th	10	29.983	30.024	84	75	64	N	6.1	.....	C	.....
	25th	10	30.008	30.049	84	76	68	N	4.8	.....	C	.....
	26th	10	29.985	30.025	85	79	76	N	6.2	.....	C	.....
	27th	10	29.988	29.979	83	77	75	N	3.8	.....	C	.....
	28th	10	29.965	30.005	86	78	68	N E	2.4	.....	.....	.....
	March 1st	10	29.975	30.016	84	77	72	N	4.2	.....	C	.....
	2nd	10	29.955	29.996	84	79	79	N W	2.2	.....	C	.....
	16	29.955	29.996	84	79	79	N W	2.2	.....	.....	.....	.....
	Feb. 24th	10	29.983	30.024	84	75	64	N	6.1	.....	C	.....
	25th	10	30.008	30.049	84	76	68	N	4.8	.....	C	.....

\* Velocity of wind in miles per hour.

## Results of the Meteorological Observations taken at the Alipore Observatory from 24th February to 2nd March 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.			Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Feb.	24th	116.0	29.963	70.7	87.7	18.3	69.4	66.0	0.497	58.8	54	Till 10½ A.M. N by E through W and N W, till 4 P.M. S through N and W, till 9 P.M. W N W through S W, till midnight S W by S through W.	118	Nil	Clear and w.
"	25th	144.7	29.947	74.5	86.3	22.1	64.2	64.5	0.475	57.5	56	Till 10 A.M. N W through W, till midnight S W by S through W.	121	"	Clear and w.
"	26th	148.4	29.882	76.9	80.0	23.3	66.0	67.8	0.501	62.2	61	Till noon N by W through W and N W, till midnight S S W through N W and W.	123	"	Clear and w.
"	27th	142.0	29.842	79.2	88.9	18.1	70.8	74.6	0.797	72.4	80	Till 8 P.M. S, till midnight N by E through SW, W and N w.	208	"	Morning partially cloudy, day and night clear w and l.
"	28th	141.7	29.954	75.9	84.8	14.9	69.9	68.0	0.603	64.3	68	Till 2 A.M. S E through N E and E, till noon N N E through E and N E, till midnight E by S through N E.	146	"	Partially cloudy and d.
March	1st	137.8	29.937	70.8	80.5	13.3	67.2	69.1	0.350	49.2	46	Till 11½ A.M. N N W through E and NE, till midnight N N E through N.	146	"	Day partially cloudy, night clear.
"	2nd	139.7	29.951	66.9	78.8	20.6	58.3	56.5	0.319	11.6	48	Till 4 P.M. W by N through N and NW, till midnight S through W and S W.	95	"	Clear and w.

The mean pressure of the seven days ... 29.925  
The average pressure of the corresponding period for 25 years ... 29.900

The mean temperature of the seven days ... 74.4  
The average temperature of the corresponding period for 25 years ... 76.7  
The extreme variation of temperature during the seven days ... 31.7  
The maximum temperature during the seven days ... 89.9

The mean relative humidity during the seven days ... 59  
The average relative humidity of the corresponding period for 25 years ... 64

The total fall of rain from 24th February to 2nd March 1878 ... Nil  
The average fall of the corresponding period for 25 years ... 0.40  
The total fall from 1st January to 2nd March 1878 ... 0.54  
The average fall of the corresponding period for 25 years ... 1.82

The mean pressure, temperature, &c, are deduced from observations made at 6h., 10h., 16h and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

w dew, l lightning, d drizzling.

METEOROLOGICAL OFFICE, INDIA,  
The 4th March 1878.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of Bengal.

**Abstract of the results of the Meteorological Observations taken at the Alipore Observatory in the month of February 1878.**

	Inches.	Date.	Hour.
The mean pressure of the month ... ..	29·985		
The average pressure of 25 years ... ..	29·949		
The highest pressure during the month ... ..	30·173	6th	10h.
The lowest pressure during the month ... ..	29·792	27th	16h.
The range of pressure during the month ... ..	0·381		
<hr/>			
The mean temperature of the month ... ..	73·4		
The average temperature of 25 years ... ..	72·8		
The highest temperature during the month ... ..	90·3	20th	16h.
The lowest temperature during the month ... ..	56·0	2nd & 6h.	
The range of temperature during the month ... ..	34·3	17th	
The mean daily range of temperature during the month ... ..	20·2		
The greatest range of temperature in one day during the month ... ..	28·6	18th	
<hr/>			
The mean humidity during the month ... ..	69		
<hr/>			
The mean vapour tension during the month ... ..	0·572		
<hr/>			
The average humidity of 25 years ... ..	67		
<hr/>			
The average vapour tension of 11 years ... ..	0·535		
The mean cloud proportion of the month ... ..	1·61		
<hr/>			
The total rainfall of the month ... ..	0·54		
The average fall of 50 years ... ..	0·89		
The greatest fall in 24 hours ... ..	0·43	23rd	
<hr/>			
The number of rainy days in the month ... ..	4		
The average number of rainy days of 25 years ... ..	3		
<hr/>			
The mean maximum equilibrium temperature of solar radiation of the month ... ..	140·8		
The mean difference of sun and air temperatures ... ..	56·3		
The greatest sun temperature ... ..	150·7	20th	
The greatest excess of sun over air temperature ... ..	60·7	12th	
The mean temperature of nocturnal radiation thermometer on woollen cloth ... ..	57·7		
The mean depression of nocturnal radiation thermometer below the minimum of air ... ..	6·6		
The greatest depression of nocturnal radiation thermometer below the minimum of air ... ..	10·5	7th	
<hr/>			
The mean movement of the wind per day ... ..	107·4		
The greatest movement of the wind in one day ... ..	182·0	28th	
The greatest movement of the wind in one hour ... ..	20·0	12th	14h.
The number of hours under each of the 8 points—			

N83, NE52, E30, SE8, S47, SW145, W198, NW102, Calm 7.

HENRY F. BLANFORD,

*Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA, the 4th March 1878.

The results of the observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore '008 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1° or 1½° lower; and finally, the thermometer which has furnished the record of temperature at the Surveyor-General's Office during the last twenty years and upwards is found to read 0·6° higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

HENRY F. BLANFORD,

*Meteorological Reporter to the Govt. of India.*

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 23rd February 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.			Weight carried.	Receipts.				Coaching.	Merchandise.	Total.
		Rs. A. P.	£	s. d.	Mds. s.	Rs. A. P.	£	s. d.	R. A. P.			
Total traffic for the week ...	164,036	2,15,207 3 0	19,752	16 0	17,02,167 10	5,55,624 4 9	50,932	4 7	7,70,801 7 0	46,273	109,690	155,963
Or per mile of railway ...	.....	104 3 4	16	8 4	.....	434 2 8	39	16 0	602 6 0	.....	.....	.....
For previous 7 weeks of half-year	902,268½	13,01,884 7 0	119,339	8 2	1,01,99,840 30	37,63,698 12 9	345,002	19 5	50,65,553 3 9	312,956½	733,146½	1,046,101½
Total for 8 weeks	1,066,294½	15,17,151 10 0	139,073	4 8	1,19,02,008 0	43,10,293 1 0	395,935	4 0	58,36,444 11 0	369,229½	842,836½	1,202,064½
COMPARISON.												
Total for corresponding week of previous year	175,772½	2,47,702 12 10	22,711	11 10	13,75,915 0	6,09,824 1 9	53,900	10 10	8,57,586 14 7	45,725	101,988	147,713
Per mile of railway, corresponding week of previous year	.....	193 9 8	17	14 11	.....	476 8 3	43	13 8	670 1 11	.....	.....	.....
Total to corresponding date of previous year	1,133,881	19,33,435 4 4	177,231	11 4	1,01,42,860 20	42,87,813 14 8	393,003	15 6	62,20,749 3 0	401,308	789,470	1,190,778

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 23rd February 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	6,778	18,838 8 0	1,728 17 3	1,17,404 20	33,615 10 0	3,081 8 8	52,454 2 0	4,844	10,412½	15,256½
Or per mile of railway ...	...	84 3 1	7 14 5	...	150 3 10	13 15 5	234 6 11	...	...	...
For previous 7 weeks of half-year ...	54,003	1,50,110 11 9	13,780 3 0	10,91,138 10	3,04,590 5 0	27,920 15 7	4,54,701 0 9	33,544½	73,060½	107,310½
Total for 8 weeks ...	60,781	1,68,949 3 9	15,487 0 3	12,08,542 30	3,38,205 15 0	31,002 4 3	5,07,153 2 9	38,388½	84,078½	122,466½
COMPARISON.										
Total for corresponding week of previous year ...	9,577½	33,755 14 1	3,094 5 9	2,30,064 30	57,274 4 0	5,250 2 10	91,030 2 1	5,393	14,265	19,658
Per mile of railway, corresponding week of previous year ...	...	150 13 10	13 16 7	...	255 15 7	23 9 3	406 13 5	...	...	...
Total to corresponding date of previous year ...	68,927	2,87,450 12 6	26,349 13 1	17,00,413 20	4,54,923 4 0	42,007 19 4	7,46,374 0 6	44,332	122,470	167,311

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 23rd February 1878 on 158½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Total receipts.
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.	
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.
Total traffic for the week ...	55,302	45,311 10 3	4,153 11 4	2,16,272 11	52,539 12 1
Or per mile of railway ...	349	286 5 3	26 4 11	1,366 26	331 15 5
For previous 7 weeks of half-year ...	250,200½	1,05,021 3 2	17,876 18 9	13,43,636 30	3,37,243 9 9
Total for 8 weeks ...	311,562½	2,40,332 13 5	22,030 10 1	15,59,908 1	3,89,776 5 10
COMPARISON.					
Total for corresponding week of previous year ...	46,424	33,070 11 2	3,031 9 7	2,53,034 18	45,167 4 5
Per mile of railway, corresponding week of previous year ...	...	208 15 8	19 3 2	1,615 15	285 6 8
Total to corresponding date of previous year ...	293,922½	2,14,157 7 10	19,631 2 0	14,82,024 24	2,98,101 1 1

NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd February 1878 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	2,907	1,271 0 0	127 2 0	14,437 0	936 0 0	93 12 0	220 14 0
Or per mile of railway ...	106	46 8 0	4 13 0	530 0	34 8 0	3 9 0	8 3 0
For previous 7 weeks of half-year ...	16,341	6,921 0 0	692 2 0	1,24,032 0	7,012 0 0	701 4 0	1,303 6 0
Total for 8 weeks ...	19,248	8,192 0 0	819 4 0	1,38,469 0	7,948 0 0	794 16 0	1,014 0 0
COMPARISON.							
Total for corresponding week of previous year ...	2,406½	1,185 9 9	118 11 3	17,163 20	779 10 6	77 19 3	196 10 6
Per mile of railway, corresponding week of previous year ...	...	43 8 2	4 7 0	620 34	28 9 9	2 17 3	7 4 3
Total to corresponding date of previous year ...	19,692	9,002 10 3	900 5 3	86,592 30	5,305 15 0	530 11 11	1,430 17 2

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 16th February 1878 on 82 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	7,978	4,194 12 0	419 9 6	31,578 0	4,125 8 0	412 11 0	832 0 6
Or per mile of railway ...	97	51 2 0	5 2 3	385 0	50 4 0	5 0 0	10 2 9
For previous 6 weeks of half-year ...	42,939	20,752 0 0	2,075 4 0	1,47,689 0	18,055 2 0	1,805 10 3	3,880 14 3
Total for 7 weeks ...	50,935	24,946 12 0	2,494 13 6	1,79,267 0	22,180 10 0	2,218 1 3	4,712 14 9
COMPARISON.							
Total for corresponding week of previous year, opened 46½ miles ...	2,570½	979 3 6	97 18 5	16,417 0	1,336 1 0	133 12 1	231 10 6
Or per mile of railway, corresponding week of previous year ...	...	21 4 0	2 2 6	357 0	29 0 0	2 18 0	5 0 6
Total to corresponding date of previous year ...	17,990	7,200 1 0	720 0 0	95,576 0	7,150 11 9	715 1 2	1,461 1 2

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd February 1878 on 82 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.				
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.		
Total traffic for the week ... ..	20,883	10,928 5 0	1,093 16 7	28,060 0	3,753 5 0	375 6 8	1,468 8 3		
Or per mile of railway ... ..	255	133 5 0	13 6 5	342 0	45 11 0	4 11 1	17 17 6		
For previous 7 weeks of half-year ...	50,935	24,916 12 0	2,494 13 6	1,78,167 0	22,180 10 0	2,219 1 3	4,712 14 9		
Total for 8 weeks ...	71,818	35,873 1 0	3,587 10 1	2,07,227 0	25,933 15 0	2,593 7 11	6,180 8 0		
COMPARISON.									
Total for corresponding week of previous year, 78½ miles ... ..	16,473	8,533 0 6	853 6 2	13,887 0	1,195 13 0	119 11 10	972 18 0		
Or per mile of railway corresponding week of previous year ... ..	217	110 3 0	11 0 5	182 0	15 9 0	1 11 1	12 11 6		
Total to corresponding date of previous year...	34,462	15,793 1 6	1,579 6 2	1,09,463 0	8,346 8 9	834 13 0	2,413 19 2		

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd February 1878 on 28 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	9,480	1,742 0 0	174 4 0	27,301 0	890 0 0	89 0 0	263 4 0
Or per mile of railway	338	62 0 0	6 4 0	975 0	32 0 0	3 4 0	9 8 0
For previous 7 weeks of half-year	61,901	11,238 0 0	1,123 16 0	1,00,618 0	5,567 0 0	556 14 0	1,680 10 0
Total for 8 weeks	71,471	12,980 0 0	1,298 0 0	1,27,919 0	6,457 0 0	645 14 0	1,943 14 0
COMPARISON.							
Total for corresponding week of previous year	11,157½	1,806 0 9	180 12 1	19,046 20	540 9 10	54 19 3	215 11 4
Per mile of railway, corresponding week of previous year	398	57 5 8	5 14 8	712 15	19 10 0	1 19 3	7 13 11
Total to corresponding date of previous year	84,806½	11,624 11 0	1,162 9 4	1,31,401 6	4,553 11 8	455 7 6	1,617 16 10

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 26th January 1878 on 172 miles open.

	No.	Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	3,089	2,502 12 6	250 5 7	11,343 20	1,089 12 0	106 19 6	417 5 1
Or per mile of railway	23	14 6 8	1 8 10	66 0	9 11 5	0 19 5	2 8 3
For previous 3 weeks of half-year	8,114½	3,714 9 0	371 9 0	13,794 0	1,819 9 3	181 19 3	583 8 3
Total for 4 weeks	12,102½	6,217 5 0	621 14 7	25,137 20	3,489 5 3	348 19 9	970 13 4
COMPARISON.							
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd February 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	3,863	2,141 1 0	214 2 2	10,732 20	1,810 11 9	181 1 6	385 3 7
Or per mile of railway	23	12 7 2	1 4 11	62 20	10 8 5	1 1 1	2 6 0
For previous 4 weeks of half-year	12,102½	6,217 5 6	621 14 7	25,137 20	3,489 5 3	348 19 8	970 13 3
Total for 5 weeks	15,965½	8,358 6 6	835 16 8	35,872 0	5,300 1 0	530 0 2	1,365 16 10
COMPARISON.							
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 9th February 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	4,818	3,095 5 3	309 10 8	17,106 20	4,111 5 3	411 2 8	720 13 4
Or per mile of railway	28	18 0 0	1 16 0	99 20	23 14 5	2 7 10	4 3 10
For previous 5 weeks of half-year	15,065½	8,368 6 6	835 16 8	33,872 0	5,300 1 0	530 0 2	1,365 16 10
Total for 6 weeks	20,783½	11,453 11 9	1,145 7 4	52,978 20	8,411 6 3	841 2 10	2,686 10 2
COMPARISON.							
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 13, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### Rainfall, Weather, and State and Prospects of the Crops.

*Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 9th March 1878.*

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, Mar. 9 '78	Nil	Sugarcane is being cut and pressed; the outturn is good. Wheat and barley are doing well. Cholera still lingers in Culna sub-division.
	2 Bankoora, .. 9 ..	Nil	Weather—pleasant, but warm for the last two days. Sugarcane, cotton, gram, wheat, and barley have all given a good outturn. The growing crops, viz. <i>boro</i> rice, tobacco, and indigo promise well.
	3 Heerbhoom, .. 9 ..	Nil	Weather—seasonable; not too warm. Nothing new to report on the state and prospects of the crops.
	4 Midnapore, .. 9 ..	0.62	Weather—somewhat cooler than it was, except on the 9th; it is now cloudy and hot. Those crops that still remain on the ground are in good condition.
	5 Hooghly, .. 9 ..	0.16	Weather—cool in the first part of the week. Ploughing is retarded for want of rain. A few cases of small-pox and cholera have been reported from the Chingurah Municipality. * Cattle disease is prevalent in thana Pandooah.
	Howrah, .. 11 ..	0.01	Weather—getting hot. The little <i>boro dhan</i> on the ground is doing well.
<i>Central Districts.</i>			
PRESIDENCY DIV.	6 24-Pergunnahs, Mar. 9 '78	0.02	Weather—variable, but not unseasonable. There is nothing of importance on the ground at present. Cholera is prevailing in parts of the district. Small-pox is reported from Diamond Harbour, and cattle disease from Satkhira.
	7 Naddea, .. 9 ..	0.02	Weather—beginning to grow warm. Fogs occasionally in the night. Very little of the cold-weather crop now remains on the ground. The fogs have done some damage to mango blossoms. The late rain has enabled the cultivators to plough extensively.
	8 Jessore, .. 9 ..	0.04	Weather—warm. Mornings are generally foggy. There is every prospect of more rain. The recent rain has done much good to the crops on the ground, and all is now ready for spring sowings. Prospects are satisfactory. More rain is wanted in the south.
	9 Moorsshedabad, .. 9 ..	Nil	Weather—seasonable. Prospects of the crops are favorable. Cholera prevails in Dewansera, Mirzapore, Burwa, Rampore Haut, and Bhurtpore police stations.



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Central Districts—(Contd.)</i>			
RAJSHAHYE AND COOCH BEHAR DIV.	10 Dinagepore, Mar. 8 '78	Nil	Weather—getting warmer gradually. Prospects of the <i>rubbee</i> crops are good. Rice is being sold at a price varying from 16 to 26 seers the rupee.
	11 Rajshahye, „ 9 „	Nil	There has been no rain during the week. The cutting of the early <i>rubbee</i> crops has commenced. The transplanting of <i>boro</i> rice continues. The lands are being ploughed for <i>acassam</i> and rice sowings. The sowing of jute has commenced.
	12 Rungpore, „ 8 „	Nil	Weather—warm and dry. State and prospects of the crops continue favourable. Cholera has nearly disappeared. Small-pox is still prevailing in some parts of the Bhowanigunge thana. Malarious fever is strikingly absent.
	13 Bogra, „ 9 „	Nil	Weather—growing warm gradually. Nothing to report about the crops. The prospects of the mango crop are excellent. The price of rice has risen from 24 to 20 seers the rupee and is tending upwards still. There were a few cases of cholera here and there. In the Badulgachi division there is a great deal of fever.
	14 Pabna, „ 9 „	0.16	Weather—warm during the whole of the week. The harvesting of <i>mutter</i> , <i>khesari</i> , <i>mosoor</i> and <i>mosina</i> has commenced; a fair outturn is expected. The <i>rubbee</i> crops also promise a good outturn; but rain is wanted. The gathering of <i>kuldi</i> is over.
	15 Darjeeling, „ 8 „	0.07	Squally weather, with a sprinkling of rain. The minor crops are doing well. The land is being prepared for the rice sowings.
	16 Julpigoree, „ 9 „	Nil	Fine clear weather; very cool for the time of year. The cold-weather crops are generally doing well. <i>Sursoo</i> crop is very good.
DACA DIV.	Cooch Behar, „ 7 „	Nil	In the early part of the week the weather was cloudy and there was a sharp wind blowing from the east. It has cleared now, and is becoming gradually warm. The prospects of <i>cheena</i> , <i>kaon</i> and other crops appear to be good. The cutting of tobacco is going on in all parts of the district. Public health is reported to be generally good.
	<i>Eastern Districts.</i>		
	17 Dacca, Mar. 9 '78	0.18 Moon-shee-gunge 0.63 for week ending 6th.	The eastern part of the district has had very fair rain. The rain has kept the temperature down. State and prospects of the crops are favourable. The rain in the eastern parts has been sufficient. There probably was rain in the west also on the 8th instant, but reports are not in.
	18 Furreedpore, „ 9 „	2.35 Goa-lundo, 0.21	Heavy rain on the 8th instant, since which the weather has been clear but warm. This rain which was probably general must have been of great service in enabling the ryots to prepare the ground for the next crop.
	19 Backergunge, „ 7 „	0.18	All is well, save that the price of rice continues very high.
	20 Mymensingh, „ 8 „	Nil	Weather—change for cold since 27th ultimo, indicating rain to have fallen in the neighbourhood. Ploughing is in progress. No crops to report on.
	21 Tipperah, „ 8 „	Nil sub-divn 1.74	Weather—fair. North wind for a day or two. <i>Boro</i> rice and the cold-weather crops are in good condition. <i>Moosari</i> is being reaped and the other cold-weather crops are ready. Nearly all the sugarcane has been cut with a good outturn. The average price of rice is Rs. 2.14 per maund.
CHITTAGONG DIV.	22 Chittagong, „ 7 „	0.98	Rain on the 4th instant. Weather since fine and cool. The rain has done some good to the cold-weather crops. Ploughing in some places for <i>pania ras</i> is going on.
	23 Noakholly, „ 7 „	1.73	Weather—cool. A sharp storm accompanied by rain and hail passed over the station on the 4th instant after noon. The rain has been good for the cold-weather crops and for ploughing for the early rice. Public health is good.
	24 Chittagong Hill Tracts, „ 5 „	0.71	A heavy fall of rain with hail-storm on the night of the 1st instant, and a slight fall on the 4th. Weather cool and pleasant in the morning. Joom-cutting still continues. The prospects of tobacco are good.
	Hill Tipperah, „ 6 „	1.09	There were good showers on the 28th February and 4th instant, which have somewhat reduced the temperature. Ploughing has begun for the early rice crop.
<b>BEHAR.</b>			
PATNA DIV.	25 Patna, Mar. 9 '78	Nil	Weather—still cold in the mornings and evenings; seasonably warm at midday. The <i>rubbee</i> crops are being harvested, and the outturn is fairly favourable where caterpillars did not damage them. Health is good.
	26 Gya, „ 9 „	Nil	Weather—warm and unclouded. Maximum thermometer in the shade 93°. No change to report in the state and prospects of the crops. Prices are about stationary.
	27 Shahabad, „ 9 „	Nil	Weather—getting hot and clear. The <i>rubbee</i> crops are being partially cut. Much injury seems to have been caused by insects in various parts of the district. Where this has not happened the crops are good. The planting of sugarcane has commenced.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Continued.)			
PATNA DIV.—Contd.	28 Durbhunga, Mar. 9 '78	Nil	Weather seasonable. The <i>rubbee</i> crop is being harvested. It promises to be on the whole an average crop.
	29 Mozufferpore, „ 9 „	Nil	Season getting warm. The harvesting of the <i>rubbee</i> crops has commenced here and there in all the three sub-divisions of the district, and a fair outturn is expected, save in the pulses which have suffered somewhat from frost, blight, or insects. A few cases of small-pox are reported from Soorsuudin Seetamurhee sub-division, as well as from the Sudder sub-division.
	30 Saran, „ 9 „	Nil	Weather—seasonable. West wind prevailing. The prospects of the cold-weather crops continue good. <i>Rakur</i> is fast approaching maturity. Wheat, barley, peas, mustard, gram, and <i>masoor</i> are still being harvested. People are busy in sowing the spring crops. Indigo seed is being put in the ground; the early sowings have germinated. Poppy-heads are being tapped. Mango is still doing well. New peas and other pulses are coming into the market. Prices are stationary. Public health is good.
	31 Chuunparun, „ 9 „	Nil	Weather—nice and cool at night; hot during the day. The prospects of the <i>rubbee</i> crops are fair throughout the district. Towards the south and east of the district (Tetaria and Madhooban) these crops are very promising. The average outturn would be, as reported in the previous week, 10 annas. Food-grain market is steady. Indigo sowings have commenced. Opium prospects are not favourable.
BHAGULPORE DIVISION.	32 Monghyr, „ 9 „	Nil	West wind prevailing. State and prospects of the crops are excellent.
	33 Bhagulpore, „ 9 „	Nil	Nights and mornings are cool. Days are warm and bright. Prospects of the <i>rubbee</i> crops are very favourable. No further rise in prices this week. Health is good.
	34 Purneah, „ 9 „	Nil	Weather—fair and mild. Westerly winds have been prevalent. The outturn of the crops harvested is good. The <i>rubbee</i> crops generally are of excellent promise. The <i>bhadoi</i> sowing has commenced; light rain for this crop is required.
	35 Maldah, „ 9 „	Nil	Weather—fair. State and prospects of the crops are satisfactory. Cholera has broken out about Manickchuck where a native doctor has been sent; also with less severity in thana Nawabgunge. In all 28 deaths from cholera were reported during the week.
	36 Sonthal Pergha, „ 9 „	Nil	Weather—still cool. No change in the state and prospects of the crops since last week's report. There is some small-pox and cholera about, but not so as to cause alarm.
ORISSA.			
ORISSA DIV.	37 Cuttack Mar. 9 '78	Nil	Weather—fine and hot. The <i>dalu</i> crop is progressing well, and is in the ear in some places. Public health is generally good.
	38 Pooree, „ 7 „	0.07	Weather—warm for the season. <i>Sarad</i> rice, <i>kulhi</i> and <i>mandia</i> crops are almost harvested. <i>Dalu</i> rice is suffering from want of rain. Common rice is selling generally at a rupee for 11½ to 15½ seers. Export of rice to the Madras Presidency continues. The state of the poor people in the tract between the Chilka and the sea has improved, as they are now getting employment in salt manufacture; but in that part of the country rice is selling at a rupee for 9 seers and 14 chittacks. Public health is good.
	39 Balasore, „ 8 „	Nil	Weather—fine and dry. The condition of the crops is satisfactory. A few deaths from cholera and small-pox have occurred.
CHOTA NAGPORE.			
	South-West Frontier Agency.		
	40 Hazareebagh, Mar. 8 '78	Nil	The temperature is still below the usual average. No change to report about the crops. There is very little now on the ground. Export still continues and prices are rising. General health is good.
	41 Isahardugga, „ 9 „	Nil	Weather—seasonable. The <i>mohwa</i> promises well. Exportation continues and prices are still rising. A few cases of small-pox and cholera have been reported from the Palamow sub-division.
	42 Singbhoom, „ 9 „	Nil	Weather—seasonable. Nothing new to report about the crops. The district is healthy.
	43 Manbhoom, „ 9 „	Nil	Weather—seasonable. Mornings are cool. Days are getting hot. The <i>mohwa</i> crop is the one in which the district is interested chiefly at present. It has blossomed and prospects are fair. What wheat, gram, and <i>rakur</i> there are in the Gobindpore sub-division are reported good.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 12th March 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, BAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
BENGAL.																									
Western Districts.																									
1	Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Beerbhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																									
	Calcutta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	24-Pergunnahs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Nuddea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Moorsheadabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Dinagore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Rajshahye	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Rangpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Bogra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Palna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Julpigoree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																									
17	Dacca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Furreedpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Backergunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Mynensingh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

A In the interior the prices range as follow :—Wheat 10 to 16½ seers, barley (at Culna) 30 seers, best rice 12 to 15½ seers, common rice 14 to 16½ seers, and gram 12½ to 20 seers.

B In the interior the prices range as follow :—Wheat 14 to 16 seers, barley 20 to 35 seers, best rice 16 to 18 seers, common rice 20 seers, maize or Indian-corn 20 to 39 seers, and gram 15 to 16 seers.

C In the interior the prices range as follow :—Wheat 12 to 17 seers, best rice 13½ to 17 seers, common rice 14½ to 18 seers, and gram 13 to 21 seers.

D In the interior the prices range as follow :—Wheat 12 to 13½ seers, barley 22 to 32 seers, best rice 7 to 12½ seers, common rice 13 to 14 seers, and gram 12½ to 18 seers.

E In the interior the prices range as follow :—Wheat (at Kidderpore) 9½ seers, barley (at Kidderpore) 16 seers, best rice 6½ to 7 seers, common rice 11 to 16 seers, and gram 12½ to 13½ seers.

F In the interior the prices range as follow :—Wheat 8 to 13½ seers, best rice 10 to 13 seers, common rice 13 to 15½ seers, and gram 11½ to 16½ seers.

G In Raigunge the prices are—Wheat 12½ seers, best rice 16 seers, common rice 17½ seers, and gram 20 seers.

H In Nattore the prices are—Wheat 16 seers, best rice 10½ seers, common rice 15½ seers, and gram 16 seers.

*undermentioned Districts of Bengal for the Fortnight ending 28th February 1878.*

## THE SEER OF 80 TOLAHS.

GRAN MILLET— CHOLU. JOWAR.			LESSER MILLETS— RAGI OR MORWA AND CHERNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL.																			
Western Districts.																			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Burdwan.	
...	...	...	...	...	...	...	...	...	16 0	15 8	19 8	120 0	120 0	160 0	8 14	9 0	9 12		
...	...	...	...	...	...	32 0	32 0	40 0	13 0	13 4	17 0	140 0	140 0	440 0	8 8	8 8	8 12	Bankoora.	
...	...	...	...	...	...	30 0	30 0	...	16 0	16 0	12 0	200 0	200 0	200 0	8 8	8 8	8 8	Beerbhoom.	
...	...	...	...	...	...	...	...	...	16 0	16 0	17 0	180 0	180 0	280 0	9 0	9 0	9 0	Malnapore.	
...	...	...	...	...	...	...	...	...	{ 14 8 to 15 0	{ 14 8 to 15 0	17 0	120 0	120 0	120 0	9 0	9 0	9 0	Hooghly.	
...	...	...	...	...	...	...	...	...	13 12	15 0	19 0	80 0	100 0	120 0	9 8	9 8	10 0	Howrah.	
Central Districts.																			
13 5	13 0	25 0	...	...	...	10 8	10 8	25 0	16 0	16 0	19 0	100 0	100 0	100 0	8 0	8 0	8 0	Calcutta.	
...	...	...	...	...	...	...	...	...	13 4	12 8	17 8	90 0	90 0	91 0	9 0	9 0	8 12	24-Pergunnahs.	
...	...	...	...	...	...	...	...	...	17 4	17 4	24 0	120 0	120 0	100 0	8 14	8 14	9 2½	Nuddea.	
...	...	...	...	...	...	...	...	...	16 8	16 0	20 0	110 0	110 0	120 0	8 0	8 0	8 0	Jessore.	
...	...	...	...	...	...	...	...	...	{ 20 0 to 20 12	{ 20 0 to 20 12	22 13	120 0	120 0	120 0	{ 8 0 to 9 0	{ 7 0 to 9 0	{ 7 0 to 9 0	Moorshedabad.	
...	...	...	...	...	...	...	...	...	14 8	14 0	13 0	180 0	180 0	180 0	8 0	8 0	8 4	Dinapore.	
...	...	...	...	...	...	...	...	...	24 0	17 8	17 8	{ 15 0 to 16 8	240 0	240 0	320 0	8 10	8 10	9 0	Rajshahya.
...	...	...	...	...	...	...	...	...	15 0	12 12	8 4	107 0	107 0	107 0	7 8	7 8	7 8	Rungpore.	
...	...	...	...	...	...	...	...	...	12 0	12 0	13 8	67 8	67 8	67 8	8 4	8 4	8 4	Bogra.	
...	...	...	...	...	...	...	...	...	{ 13 0 to 18 12	{ 13 0 to 18 12	11 0	200 0	200 0	200 0	8 8	8 8	9 0	Pubna.	
...	...	...	9 0	8 0	8 0	14 0	15 0	24 0	8 0	8 0	9 0	160 0	160 0	200 0	4 8	5 0	4 8	Darjeeling.	
...	...	...	...	...	...	...	...	...	10 0	10 0	10 0	64 0	80 0	100 0	7 5	7 2	7 2	Julpigoree.	
Eastern Districts.																			
...	...	...	...	...	...	...	...	...	15 3	14 8	16 0	80 0	80 0	97 0	8 14	9 0	8 14	Dacca.	
...	...	...	...	...	...	...	...	...	14 0	14 0	16 0	...	...	...	9 0	9 0	9 0	Furreedpore.	
...	...	...	...	...	...	...	...	...	13 0	13 0	16 0	100 0	100 0	100 0	8 8	8 8	8 8	Backergunge.	
...	...	...	...	...	...	...	...	...	12 8	12 8	14 0	...	...	...	9 0	9 0	8 10	Mymensingh.	

I In the interior the prices range as follow :—Wheat 16 to 20 seers, best rice 15 to 16 seers, common rice 18 to 20 seers, and gram 8 to 16 seers.

J In Serajgunge the prices are—Wheat 10½ seers, best rice 8 seers, common rice 13 seers, and gram 12 seers.

K In the interior the prices range as follow :—Wheat 5 seers, best rice 6½ to 10 seers, common rice 12 to 13 seers, lesser millets (at Kurseong) 16 seers, maize or Indian-corn (at Kurseong) 16 seers, and gram 8 to 12 seers.

L In the interior the prices range as follow :—Wheat 10 seers, best rice 6 to 13 seers, common rice 10 to 17 seers, and gram 10 to 11 seers.

M In the interior the prices range as follow :—Wheat (at Jaffergunge) 16 seers, barley (at Jaffergunge) 18 seers, best rice 10 to 14 seers, common rice 13 to 16 seers, and gram 13½ to 18 seers.

N In the interior the prices range as follow :—Wheat (at Goalundo) 13 seers, barley (at Goalundo) 20 seers, best rice 10 to 12½ seers, common rice 12 to 16 seers, and gram 12 to 14 seers.

O In the interior the prices range as follow :—Best rice 11 to 13 seers, common rice 12 to 14 seers, and gram (at Perozapore) 12 seers.

P In the interior the prices range as follow :—Wheat 10 to 14 seers, best rice 7 to 14 seers, common rice 12½ to 16 seers, and gram 8 to 13 seers.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number		DISTRICTS.	QUANTITIES PER RUPEE BY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, RAJRA.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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21	Chittagong	Q	8 0	9 0	9 0	...	...	...	7 0	8 0	9 0	12 0	12 0	13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

\* Common rice went as high as 11 seers for the rupee.  
+ In the interior the price of common rice ranges from 18½ to 21 seers.  
Q In the interior the prices range as follow:—Best rice 8 to 11 seers, and common rice 12 to 14 seers.  
R In the interior the prices range as follow:—Best rice 9 to 14 seers, and common rice 13 to 15 seers.  
S In the interior the prices range as follow:—Wheat 13 to 15 seers, barley (at Jehanabad) 1½ seers, best rice (at Jehanabad) 9 seers, common rice 12 to 14 seers, lesser millets (at Nowada) 22 seers, maize or Indian-corn (at Nowada) 20 seers, and gram 10 to 18½ seers.  
T In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 15 to 17 seers, best rice 8 to 9 seers, common rice 11 to 13 seers, bulrush millet (at Buxar) 13 seers, gram millets 12 to 14½ seers, lesser millets (at Basseram) 18 seers, maize or Indian-corn 14½ to 17 seers, and gram 15 to 15½ seers.  
U In the interior the prices range as follow:—Wheat 13 to 18 seers, barley (at Mudhoobani) 25 seers, best rice 9 to 16 seers, common rice 14 to 17 seers, lesser millets 20 to 23 seers, maize or Indian-corn 19 to 23 seers, and gram 15 to 16 seers.  
V In the interior the prices range as follow:—Wheat 12 to 22½ seers, barley 20 to 27 seers, best rice 8 to 15 seers, common rice 12 to 16 seers, lesser millets 19½ to 23 seers, maize or Indian-corn 16½ to 24 seers, and gram 13 to 22 seers.

CALCUTTA,  
The 12th March 1878.

mentioned Districts of Bengal for the Fortnight ending 28th February 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
Eastern Districts—(Contd.)																		
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Chittagong.
...	...	...	...	...	...	...	...	...	10 0	10 0	11 0	120 0	120 0	120 0	7 0	8 8	8 8	Noakholly.
...	...	...	...	...	...	...	...	...	10 0	10 0	13 0	...	...	...	8 0	8 0	8 0	Tipperah.
...	...	...	...	...	...	...	...	...	12 0	12 8	13 0	...	...	...	8 8	8 8	8 12	Chittagong Hill Tracts, Hill Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	320 0	320 0	200 0	6 0	6 6	6 10	...
...	...	...	...	...	...	...	...	...	10 0	10 0	14 0	...	...	...	8 0	8 0	8 0	BEHAR.
...	...	30 0	...	...	...	20 0	19 0	36 0	21 0	18 0	24 0	150 0	150 0	140 0	8 0	8 0	8 0	Patna.
...	...	...	...	17 0	...	16 8	16 8	36 8	18 0	17 8	20 0	160 0	160 0	160 0	8 0	8 0	8 0	Gya.
18 0	17 0	{ 25 0 to 26 0 }	18 0	17 8	25 0	...	...	30 0	16 8	17 8	22 0	160 0	160 0	180 0	9 0	9 0	8 12	Shahabad.
...	...	...	20 0	20 12	33 0	20 12	19 8	31 12	15 4	16 4	18 12	187 0	187 0	176 0	8 0	8 0	8 12	Durbhunga.
...	...	...	...	...	...	18 0	19 0	35 0	14 0	15 0	16 0	110 0	160 0	140 0	8 0	8 0	8 8	Mozufferpore.
17 0	16 8	30 0	20 0	18 0	30 0	17 4	16 8	29 8	16 0	16 0	23 0	160 0	160 0	160 0	8 0	8 0	8 0	Sarun.
...	...	...	...	...	35 0	19 0	18 0	39 0	17 0	17 0	21 0	...	...	...	7 8	7 0	7 0	Chumparun.
...	...	...	...	...	...	16 8	15 7	29 4	16 8	16 8	21 0	126 0	126 0	126 0	8 4	8 4	8 4	Monghyr.
...	...	...	...	...	...	17 11	18 16	31 9	17 0	17 11	18 16	161 9	161 9	167 12	8 13	8 3	8 13	Rhagulpore.
...	...	...	...	...	...	...	...	{ 13 0 to 15 0 }	16 0	16 0	16 0	160 0	160 0	160 0	8 0	6 0	8 0	Purneah.
...	...	...	...	...	...	22 8	20 0	45 0	16 0	17 0	18 0	120 0	120 0	130 0	8 8	9 0	8 4	Maldah.
...	...	...	...	...	...	16 0	16 0	40 0	13 0	14 0	13 0	...	200 0	200 0	8 0	8 0	8 0	Sonthal Pergas.
ORISSA.																		
...	...	...	10 8	17 1	21 0	...	...	...	17 1	18 6	17 1	200 0	200 0	200 0	11 0	11 0	13 0	Cuttack.
...	...	...	...	...	...	...	...	...	15 12	15 12	18 6	105 0	105 0	113 0	10 8	10 8	13 2	Poorce.
...	...	...	...	...	...	...	...	...	10 0	13 0	11 0	120 0	120 0	120 0	8 8	8 7	9 5	Balasore.
CHOTA NAGPORE.																		
South-Western Frontier Agency.																		
...	...	...	18 0	...	36 0	16 0	...	31 0	16 0	16 8	16 0	240 0	240 0	200 0	8 0	8 0	8 0	Hazareebagh.
...	...	...	30 0	30 0	44 0	28 0	...	...	16 0	14 0	12 0	160 0	160 0	180 0	7 0	7 0	7 0	Lohardugga.
...	...	...	...	...	...	...	...	...	20 0	20 0	24 0	320 0	320 0	320 0	6 8	6 8	6 9	Singbhoom.
...	...	...	64 0	64 0	64 0	40 0	40 0	...	14 0	15 0	20 0	160 0	160 0	200 0	8 0	8 0	8 0	Mambhoom.

W In the interior the prices range as follow:—Wheat 12 to 15 seers, barley 20 to 23 seers, best rice 8 to 10 seers, common rice 11 to 13½ seers, lesser millets 22 to 24 seers, maize or Indian-corn 15 to 20½ seers, and gram 13 to 22½ seers.

X In the interior the prices range as follow:—Wheat 14 to 20 seers, barley (at Banka) 20 seers, best rice 15 to 20 seers, common rice 16 to 22 seers, murwa 25 to 35 seers, maize or Indian-corn (at Banka) 18 seers, and gram 15 to 16 seers.

Y In the interior the prices range as follow:—Wheat 14 to 15 seers, best rice 14 to 16 seers, common rice 16 to 18 seers, and gram 12 to 16 seers.

Z In the interior the prices range as follow:—Wheat 12½ to 14 seers, barley 20 seers, best rice 14 to 16½ seers, common rice 16 to 17½ seers, maize or Indian-corn 18 to 20 seers, and gram 16 to 18 seers.

Z1 In the interior the prices range as follow:—Wheat 13 seers, best rice (at Chuttra) 9 seers, common rice 13 to 14 seers, maize or Indian-corn 16 to 16½ seers, and gram 14 to 18 seers.

Z2 In the interior the prices range as follow:—Wheat 15 to 15½ seers, barley (at Daltongunge) 20-25 seers, best rice 11-25 to 16 seers, common rice 12-37 to 18 seers, molwa (at Daltongunge) 40-50 seers, maize or Indian-corn (at Daltongunge) 16-57 seers, and gram 18-50 to 25 seers.

Z3 In the interior the prices range as follow:—Wheat 11 to 16 seers, best rice 18 to 20 seers, common rice 16 to 23 seers and gram 12 to 16 seers

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta	3 7 0	3 4 0	...	2 8 0	2 8 0	...	5 8 0	5 8 0	...	3 5 0	3 5 0	...	...	...	...
2	Serajunge	3 8 0	3 0 0	...	...	...	...	4 8 0	4 8 0	...	2 12 0	2 10 0	...	...	...	...
3	Dacca	3 2 0	3 3 0	...	1 2 0	1 2 0	...	3 4 0	3 3 0	...	2 10 0	2 8 0	...	...	...	...
4	Naraingunge	...	...	...	...	...	...	3 0 0	2 15 0	...	2 15 0	2 12 0	...	...	...	...
5	Chittagong	...	...	...	...	...	...	5 0 0	5 0 0	...	3 0 0	3 0 0	...	...	...	...
6	Patna	2 8 0	2 10 9	...	1 14 6	2 0 0	...	3 12 6	4 0 0	...	2 8 0	2 10 9	...	...	...	...
7	Balasore	3 8 0	2 15 0	...	...	...	...	3 12 0	2 13 0	...	2 13 0	2 8 0	...	...	...	...
8	Pooree	...	...	...	...	...	...	...	...	...	3 0 0	2 10 0	...	...	...	...
9	Cuttack	3 10 0	4 12 0	...	...	...	...	4 2 0	4 2 0	...	2 13 0	2 13 0	...	...	...	...

CALCUTTA,  
The 12th March 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 28th February 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 0	3 5 0	...	...	...	...	3 12 0	3 12 0	...	2 8 0	2 8 0	...	0 7 0	0 7 0	...	4 0 0	4 0 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 0	2 8 0	...	...	...	...	4 6 0	4 6 0	...	Seraingunge.
...	...	...	...	...	...	...	...	...	2 9 0	3 2 0	...	0 6 0	0 6 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	2 15 0	2 15 0	...	0 9 0	0 9 0	...	4 6 0	4 4 3	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	2 0 0	1 14 3	...	1 14 6	2 3 6	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 0 0	3 12 0	...	0 5 6	0 5 6	...	4 12 0	4 12 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	3 10 0	2 4 0	...	...	...	...	2 4 0	2 0 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd Feb. 1878.	Rain from 24th Feb. to 2nd Mar. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL.							
BURDWAN	WESTERN DISTRICTS.	Burdwan ... ..	Nil	0.02	0.29	2nd Mar.	
		Cutwa ... ..	ditto	0.81	1.01	ditto	
		Culna ... ..	0.18	1.34	1.62	ditto	
		Blood-Blood ... ..	Nil	0.24	0.50	ditto	
		Raneegunge ... ..	ditto	0.03	0.49	ditto	
		Jehanabad ... ..	ditto	Nil	1.12	ditto	
	Bankoora ... ..	Bankoora ... ..	ditto	ditto	1.90	ditto	
	Beerbhoom ... ..	Sooree ... ..	ditto	ditto	0.94	ditto	
		Hetampore ... ..	ditto	ditto	0.28	ditto	
		Koypore ... ..	ditto	ditto	0.20	ditto	
	Midnapore ... ..	Midnapore ... ..	ditto	ditto	2.38	ditto	
		Tuinlook ... ..	ditto	ditto	1.05	ditto	
		Ghattal ... ..	ditto	ditto	2.10	ditto	
	Hooghly ... ..	Contai... { Dy. Collr.'s Office... Exe. Engr.'s Office	Not recd.	Not recd.	0.47	2nd Feb.	
		Hooghly ... ..	Nil	Nil	0.58	2nd Mar.	
		Serampore ... ..	ditto	ditto	0.97	ditto	
	Howrah ... ..	Howrah ... ..	ditto	ditto	1.74	ditto	
		Maheshreka ... ..	ditto	ditto	2.91	ditto	
CENTRAL DISTRICTS.							
PRESDENCY.	24-Pergunnahs ... ..	Saugor Island ... ..	ditto	0.10	0.90	ditto	Not received 17th to 23rd Feb. Ditto ditto.
		Calcutta ... ..	0.43	Nil	0.54	ditto	
		Alipore ... { Dispensary Jail	0.71	ditto	3.64	ditto	
		Busseerhat ... ..	Not recd.	ditto	0.82	ditto	
		Banaset ... ..	ditto	0.03	0.80	ditto	
		Diamond Harbour ... ..	0.10	Nil	1.21	ditto	
		Barriore ... ..	Nil	ditto	1.37	ditto	
		Sutkhira ... ..	ditto	ditto	1.14	ditto	
		Barackpore ... ..	ditto	ditto	0.90	ditto	
		Dum-Dum ... ..	ditto	ditto	1.41	ditto	
	Nuddes ... ..	Kishnughur ... ..	0.20	1.10	1.39	ditto	Not received 27th Jan. to 2nd Feb.
		Pongong ... ..	1.10	0.33	1.60	ditto	
		Meherpore ... ..	Nil	0.50	0.63	ditto	
		Chowadanga ... ..	ditto	0.83	1.66	ditto	
		Kooshita ... ..	ditto	1.42	2.03	ditto	
	Jessore ... ..	Ranaghat ... ..	0.30	0.74	1.29	ditto	
		Jessore ... ..	Nil	0.35	1.33	ditto	
		Narail ... ..	ditto	0.05	0.59	ditto	
		Khoolna ... ..	ditto	Nil	1.01	ditto	
		Jhenida ... ..	0.08	0.62	1.27	ditto	
	Moorshedabad ... ..	Bagnhat ... ..	Nil	Nil	0.45	ditto	
		Mangoorah ... ..	ditto	0.58	1.59	ditto	
		Berhampore ... ..	ditto	0.18	0.73	ditto	
		Rampore Haut ... ..	ditto	0.52	1.01	ditto	
		Lalbagh ... ..	ditto	0.24	0.54	ditto	
	Dinapore ... ..	Jungypore ... ..	ditto	0.19	1.25	ditto	
		Azingunge ... ..	ditto	0.20	1.45	ditto	
		Lalgolla ... ..	ditto	0.08	0.88	ditto	
		Kandee ... ..	ditto	Nil	0.87	ditto	
		Dinapore ... ..	ditto	ditto	1.27	ditto	
	Maldah ... ..	Raigunge ... ..	ditto	ditto	1.31	ditto	
		Maldah ... ..	ditto	ditto	1.98	ditto	
		Chanchal ... ..	ditto	ditto	1.72	ditto	
		Bauleah ... ..	ditto	0.05	0.43	ditto	
		Nattore ... ..	ditto	Nil	1.12	ditto	
	Rajshahye ... ..	Rungpore ... ..	ditto	ditto	0.54	ditto	
		Bhubanigunge ... ..	ditto	ditto	0.73	ditto	
		Kutigram ... ..	ditto	ditto	0.85	ditto	
		Bagdogra ... ..	ditto	ditto	1.00	ditto	
		Bogra ... ..	ditto	0.02	1.74	ditto	
	Bogra ... ..	Sierpore ... ..	ditto	0.10	1.51	ditto	
		Nowkhilla ... ..	ditto	Nil	1.17	ditto	
		Panchabibi ... ..	ditto	ditto	1.58	ditto	
		Halulya ... ..	ditto	ditto	1.40	ditto	
		Pubna ... ..	ditto	1.10	1.25	ditto	
	Cooch Behar.	Seragunge ... ..	ditto	0.58	2.41	ditto	
		Darjeeling ... ..	Darjeeling... { Telegraph Office Hospital	0.31	Not recd.	1.39	23rd Feb.
				0.31	Nil	1.29	2nd Mar.
		Julpigoree ... ..	Julpigoree ... ..	Nil	ditto	0.34	ditto
			Bodah ... ..	ditto	Not recd.	0.40	23rd Feb.
	Buxa—Civil Surgeon's Office		ditto	Nil	1.57	2nd Mar.	
	Cooch Behar Tribu- tary States.	Titalya ... ..	Not recd.	Not recd.	0.59	10th Feb.	
		Cooch Behar ... ..	Nil	Nil	0.76	2nd Mar.	

Not received 17th to 23rd Feb.  
Ditto ditto.

Not received 27th Jan. to 2nd Feb.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd Feb. 1878.	Rain from 24th Feb. to 2nd Mar. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL—continued.							
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.		
	Dacca	Dacca... { Telegraph Office... Nil	Not recd.	0.56	23rd Feb.		
		... { Hospital ... ditto	0.55	1.28	2nd Mar.		
		Moonsheegunge ... ditto	0.43	1.36	ditto		
	Furzedpore	Manickgunge ... ditto	0.34	0.67	ditto		
		Furzedpore ... 0.28	0.80	1.34	ditto		
		Gonundo ... Nil	0.27	1.12	ditto		
	Rackergunge	Madaripore ... ditto	Nil	1.49	ditto		
		Barrisal ... ditto	0.10	0.81	ditto		
Perozepore ... ditto		0.10	0.65	ditto			
Mymensingh	Patoonkhailly ... ditto	0.10	0.69	ditto			
	Bhola ... ditto	0.10	0.43	ditto			
	Mymensingh ... ditto	1.32	2.76	ditto			
Chittagong.	Chittagong	Jamulpore ... ditto	0.30	1.55	ditto		
		Atia ... ditto	0.30	0.59	23rd Feb.		
		Kishoregunge ... ditto	0.72	2.57	2nd Mar.		
	Chittagong	Chittagong { Telegraph Office ditto	0.30	0.30	ditto		
		... { Jail ... ditto	0.42	0.43	ditto		
		Cox's Bazar ... ditto	0.71	0.74	ditto		
	Nonkholly	Nonkholly ... ditto	0.30.	2.19	ditto		
		Fenny ... ditto	0.17	3.24	ditto		
		Comillah ... ditto	0.30	2.10	ditto		
	Tipperah	Brahmunbariah ... ditto	1.24	2.86	ditto		
Chittagong Tracts.		Hill Rungamater Hill... ditto	0.80	2.24	ditto ...	From 17th Feb.	
		Kuma ... ditto	0.99	0.99	ditto		
Hill Tipperah	Hill Tipperah ... ditto	0.61	1.70	ditto			
BEHAR.							
PATNA.	Patna	Patna ... ditto	Nil	1.24	ditto		
		Behar ... ditto	ditto	1.37	ditto		
		Barh ... ditto	ditto	1.28	ditto		
	Gya	Dinapore ... { Jail ... Not recd.	Not recd.	1.50	9th Feb.		
		... { Cantonment... Nil	Nil	1.50	2nd Mar.		
		Gya ... ditto	0.02	1.08	ditto		
	Shahabad	Nowadah ... ditto	Nil	2.13	ditto		
		Aurangabad ... ditto	ditto	0.97	ditto		
		Jehanabad ... ditto	ditto	2.33	ditto		
	Muzafferpore	Arrah ... ditto	ditto	1.98	ditto		
Sasaram ... ditto		ditto	0.93	ditto			
Buxar ... ditto		ditto	2.70	ditto			
BAGULPORE.	Durbhunga	Bhuboah ... ditto	Not recd.	2.89	23rd Feb.		
		Mozafferpore ... ditto	Nil	1.56	2nd Mar.		
		Hajepore ... ditto	ditto	1.16	ditto		
	Saran	Seetamurhee ... ditto	0.02	1.00	ditto		
		Durbhunga ... ditto	Nil	1.04	ditto		
		Mudhoobunnee ... ditto	ditto	0.89	ditto		
	Chumparun	Tajpore ... ditto	ditto	0.41	ditto		
		Chupra ... ditto	ditto	1.32	ditto		
		Sewan ... ditto	ditto	2.05	ditto		
	Monghyr	Mofiharee ... ditto	ditto	1.03	ditto		
Pettiah ... ditto		ditto	1.15	ditto			
Segowlie ... ditto		ditto	1.41	ditto			
Bhagulpore	Monghyr ... ditto	ditto	0.99	ditto			
	Begoozerai ... ditto	ditto	2.03	ditto			
	Jamooee ... ditto	ditto	1.55	ditto			
Purneah	Bhagulpore ... ditto	ditto	2.00	ditto			
	Soupool ... ditto	ditto	Nil	ditto			
	Muddehpooora ... ditto	ditto	0.80	ditto			
Sonthal Pergunnahs...	Bauka ... ditto	ditto	2.26	ditto			
	Soubursa ... ditto	ditto	0.80	ditto			
	Purneah ... ditto	ditto	0.67	ditto			
Sonthal Pergunnahs...	Kisengunge ... ditto	ditto	0.81	ditto			
	Arrareah ... ditto	ditto	0.40	ditto			
	Nya Doomka ... ditto	Not recd.	0.49	23rd Feb.			
Sonthal Pergunnahs...	Rajmebal ... ditto	ditto	0.80	ditto			
	Deoghur ... ditto	ditto	0.58	ditto ...	Not received 27th Jan. to 16th Feb.		
	Godda ... ditto	ditto	0.96	ditto			

Divisions.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd Feb. 1878.	Rain from 24th Feb. to 2nd Mar. 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	2nd Mar.		
		... { Hospital	ditto	Not recd.	0.26	23rd Feb.		
		Jajpore	ditto	ditto	Nil	ditto		
		Kendraparah	ditto	ditto	0.30	ditto		
		Jagatsingapore	ditto	ditto	0.10	ditto		
	False Point	ditto	0.10	0.30	2nd Mar.			
	Pooree	Pooree	ditto	0.07	0.07	ditto		
		Khurdah	ditto	0.05	0.12	ditto		
	Balasore	Balasore...	ditto	0.03	0.77	ditto		
		Bhadrack	0.03	0.08	0.39	ditto		
		Jellasore	Nil	Nil	1.13	ditto		
		Sorah	ditto	ditto	0.08	ditto		
		Chaudbally	ditto	ditto	0.20	ditto		
	Cuttack Tributary Mehals.	Sumbalporc	ditto	Not recd	0.45	23rd Feb.		
	CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.							
	Hazareebagh	Hazareebagh... { Jail	ditto	0.02	0.55	2nd Mar.		
		... { Dispensary	ditto	0.01	0.60	ditto		
	Pachamba	ditto	0.25	0.56	ditto			
	Lohardugga	Ranchee	ditto	Nil	0.83	ditto		
		Palamow	ditto	0.06	0.15	ditto		
	Singbhoom	Chyebassa	ditto	Nil	1.96	ditto		
	Manbhoom	Purulia	ditto	ditto	1.71	ditto		
Govindporc		Not recd.	ditto	0.94	ditto			
ASSAM & ADJACENT HILLS.								
Sylhet	Sylhet	0.03	0.69	1.73	ditto			
Sibsagar	Sibsagar	0.24	Not recd.	2.24	23rd Feb.			
	Golaghat	1.01	ditto	3.41	ditto			
	Jorhat	Not recd.	ditto	2.30	10th Feb.			
Akyab	Nil	0.20	0.20	2nd Mar.				
Rajpootana	Alwar	ditto	Nil	0.80	ditto			
	Jaipur	ditto	ditto	1.29	ditto			
	Sambhar	ditto	ditto	0.10	ditto			
Not received 17th to 23rd Feb.								

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 9th March 1878.

## Meteorological Telegraphic Report for the period 3rd to 9th March 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	March 3rd	10	30.031	30.052	76.0	62.3	42	S	2.0	.....	.....	b
	16	29.878	29.900	83.0	61.0	30	S W by W	6.7	.....	.....	.....	b
	4th	10	29.917	29.939	81.5	73.0	65	S W by W	7.5	.....	K, FK	b
	16	29.797	29.819	89.0	68.3	31	N W by W	11.5	.....	.....	.....	b
	5th	10	30.081	30.103	81.8	61.9	26	E by N	2.5	.....	.....	b
	16	29.947	29.969	86.8	61.5	17	W	6.3	.....	.....	.....	b
	6th	10	30.056	30.078	82.0	61.0	33	S by W	1.8	.....	.....	b
	16	29.904	29.926	89.0	65.1	23	N W by W	5.8	.....	.....	.....	b
	7th	10	30.006	30.028	79.0	71.3	80	S W by W	3.8	.....	K, FK, C	c
SAUGOR ISLAND.	16	29.864	29.886	88.0	64.0	32	W by N	4.3	.....	.....	.....	b
	8th	10	30.013	30.035	81.5	75.0	73	S W	4.3	.....	K, FK	c
	16	29.928	29.950	84.7	74.0	59	S W	12.0	.....	PC	.....	c
	9th	10	30.080	30.102	84.5	78.0	74	S E by S	3.8	0.01	K, FK	c
	16	29.930	29.951	87.8	70.0	37	S	6.0	.....	K	.....	c
	March 3rd	10	30.012	30.018	79	67	51	S E	5.2	.....	.....	b, m
	16	29.897	29.903	82	69	49	S	9.8	.....	.....	.....	b, m
	4th	10	29.941	29.940	82	77	70	S S W	17.2	.....	P	m, o
	16	29.798	29.804	84	70	70	S S W	15.4	.....	P	.....	b, m
CHITTAGONG.	5th	10	30.047	30.073	84	64	25	N E	7.3	.....	.....	b, m
	16	29.945	29.951	88	66	26	N N W	10.9	.....	.....	.....	b, m
	6th	10	30.000	30.008	79	71	66	W S	2.2	.....	.....	b, m
	16	29.922	29.928	82	74	67	S E	8.3	.....	.....	.....	b, m
	7th	10	30.000	30.012	84	78	75	S W	8.6	.....	K	b, m
	16	29.906	29.912	84	78	75	S S E	9.7	.....	.....	.....	b, m
	8th	10	30.032	30.038	84	78	75	S	9.7	.....	PK	b, m
	16	29.936	29.942	84	78	75	S	15.5	.....	P	.....	b, m
	9th	10	30.076	30.082	84	79	79	S S E	6.4	.....	PP, K	b, m
AKYAB.	16	29.953	29.959	85	79	76	S	12.0	.....	K, FK	.....	b, m
	March 3rd	10	29.946	30.040	74	62	47	N	2.2	.....	.....	b, m
	4th	10	29.928	30.021	78	64	43	S	5.3	.....	.....	b
	5th	10	29.980	30.073	80	73	70	S S E	8.0	0.50	.....	i, m
	6th	10	29.980	30.080	73	71	90	Calm	4.0	.....	.....	f, w, b, m
	7th	10	29.973	30.066	78	73	78	S E	4.7	.....	K, FK	m
	8th	10	30.008	30.101	60	74	74	S S E	5.2	.....	K, FK	m
	9th	10	30.032	30.125	80	72	66	N	4.4	.....	.....	b, m
	March 3rd	10	30.018	30.040	77	70	69	N	1.3	.....	.....	b
CUTTACK.	4th	10	30.043	30.065	77	68	61	E	2.0	.....	.....	b
	5th	10	30.083	30.105	81	74	71	.	1.3	.....	C, KP	.....
	6th	10	30.080	30.102	81	74	71	E N E	1.3	0.40	C	.....
	7th	10	30.058	30.080	77	70	69	N	2.0	.....	.....	m
	8th	10	30.101	30.123	79	71	66	N	1.9	.....	C	.....
	9th	10	30.116	30.138	81	75	74	N N W	1.7	.....	C	.....
	March 3rd	10	29.946	30.029	81	68	48	W S W	0.7	.....	.....	m
	4th	10	29.860	29.941	85	74	53	S S W	3.8	.....	C	m
	5th	10	29.985	30.067	85	64	26	S E	4.0	.....	.....	m
FALSE POINT.	6th	10	29.988	30.070	84	70	47	W S W	1.4	.....	.....	m
	7th	10	29.930	30.012	86	76	61	S W	3.0	.....	C, KC	.....
	8th	10	29.922	30.003	88	76	56	S	4.7	.....	C, KC	.....
	9th	10	29.997	30.079	86	76	61	E N E	4.2	.....	C, KC	.....
	March 3rd	10	30.013	30.028	82	69	49	S E	3.6	.....	C	b
	4th	10	29.945	29.960	84	76	68	W S W	8.5	.....	C, P C	c
	5th	10	30.062	30.077	84	66	34	E N E	7.4	.....	.....	b
	6th	10	30.008	30.083	84	73	63	W	4.0	.....	.....	b
	7th	10	30.002	30.017	83	76	71	W	4.6	.....	K, FK, C	c
VIZAGAPATAM.	8th	10	30.030	30.045	85	76	64	S S W	6.7	.....	C, K, PC	c
	9th	10	30.077	30.092	85	78	72	S W	6.7	.....	C, PC, PK	c
	March 3rd	10	29.982	30.014	83	74	63	E S E	1.7	.....	.....	b
	4th	10	29.957	30.013	85	75	61	W by S	2.5	.....	.....	b
	5th	10	30.024	30.055	86	78	64	S by E	3.9	.....	.....	b
	6th	10	30.059	30.091	84	77	72	S	2.5	.....	.....	b
	7th	10	29.997	30.028	85	76	64	S	2.6	.....	.....	b
	8th	10	30.014	30.075	85	75	61	S	3.5	.....	.....	b
	9th	10	30.072	30.104	83	75	67	S by W	2.8	.....	C	.....
MADRAS.	March 2nd	10	29.989	30.011	85	75	61	S	8	.....	.....	b
	16	29.861	29.883	86	77	65	E S E	9	.....	.....	.....	c
	3rd	10	29.908	30.023	87	76	58	S by W	8	.....	.....	c
	16	29.871	29.893	85	77	64	S E by E	11	.....	.....	.....	b, c
	4th	10	30.026	30.048	85	74	58	S	8	.....	.....	b, c
	16	29.840	29.868	88	77	59	S E by E	7	.....	.....	.....	b, c
	5th	10	30.054	30.076	85	74	62	S	9	.....	.....	b, c
	16	29.920	29.942	85	76	64	S E by E	11	.....	.....	.....	b, c
	6th	10	30.008	30.090	87	76	58	S by W	9	.....	.....	c
COLOMBO.	16	29.935	29.957	85	70	61	S E	9	.....	.....	.....	c
	7th	10	30.047	30.069	86	75	58	S by E	10	.....	.....	b
	16	29.882	29.904	86	76	61	S E by E	12	.....	.....	.....	c
	8th	10	30.009	30.091	86	76	58	S E by S	14	.....	.....	c
	16	29.947	29.969	85	77	68	S E	12	.....	.....	.....	b
	March 3rd	10	29.960	30.000	85	77	68	N by E	6.2	.....	C	.....
	4th	10	29.980	30.021	84	78	68	N by E	5.0	.....	C	.....
	5th	10	30.028	30.068	86	79	72	S S E	6.1	.....	C	.....
	6th	10	30.038	30.078	85	79	76	W	1.6	.....	C	.....
COLOMBO.	7th	10	29.980	30.021	84	77	72	E by S	2.6	.....	C	.....
	8th	10	30.008	30.048	86	79	72	W by N	1.4	.....	C	.....
	9th	10	30.023	30.066	83	79	83	S W	7.4	.....	C	d

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 9th March 1878.JOHN ELIOT, M.A.,  
Meteorological Reporter to the Government of Bengal.

**Abstract of Observations as received in the Meteorological Office, Calcutta, during the month of January 1878.**

*N.B.—The Barometric data are reduced for temperatures and not for height above sea-level.*

[illegible]

CALENDAR--JANUARY 1878.

[illegible]

**CALCUTTA,**  
***The 9th March 1878.***

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anemometric Results and Cloud Observations.

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.										Percentage and Resultant.	Mean velocity daily.	Mean clouds.
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.	Calm.				
Seehsaugor ...	30.122	59.2	1	9	19	9	5	3	5	2	9	38 S 79° E	39.8	5.48	
Gonipara ...	.093	62.2	...	3	10	1	...	...	3	3	42	14 N 65° E	41.0	1.63	
Darjeeling ...	...	...	1	1	...	1	14	13	11	3	18	47 S 46° W	...	6.09	
Purneah ...	.090	60.3	...	1	8	4	...	9	37	3	...	56 S 70° W	54.8	1.74	
Durblunga ...	.052	57.4	...	4	4	2	1	14	28	5	...	60 S 76° W	80.7	1.87	
Patna ...	.112	59.0	...	1	7	...	...	1	49	1	2	69 N 89° W	33.9	3.85	
Gya ...	.113	63.0	10	3	6	3	2	1	19	8	11	33 N 51° W	50.3	3.84	
Hazareebagh ...	.105	64.1	4	...	1	4	3	2	12	32	4	61 N 59° W	120.4	4.03	
Berhampore ...	.091	63.4	2	2	1	2	4	6	22	23	...	61 N 75° W	55.3	2.66	
Burdwan ...	.083	66.2	16	6	3	3	5	3	10	15	2	41 N 34° W	48.6	2.93	
Jessore ...	.075	64.0	29	1	...	11	3	2	4	12	...	43 N 12° W	35.1	1.84	
Dacca ...	.081	65.6	8	3	2	...	1	1	10	18	19	46 N 42° W	65.9	2.56	
Silchar ...	.005	62.0	...	1	4	2	1	2	...	...	52	9 S 56° E	22.6	3.03	
Chittagong ...	.078	67.0	17	15	2	...	...	2	17	3	2	51 N 10° W	64.7	1.85	
Alipore ...	.180	64.6	27	12	6	3	9	21	16	30	...	38 N 49° W	83.0	2.08	
Saugor Island ...	.063	64.5	29	32	14	7	25	7	9	8	...	30 N 62° E	145.0	2.71	
Cuttack ...	.053	74.9	3	22	10	7	9	4	2	4	1	38 N 73° E	49.6	3.81	
False Point ...	.083	69.5	1	15	14	13	6	2	...	1	0	58 S 83° E	124.2	4.10	
Vizagapatam ...	.050	78.5	...	2	63	27	20	0	4	2	...	69 S 62° E	42.9	2.23	
Madras ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Akyab ...	.081	68.6	8	13	6	1	...	1	18	14	...	49 N 24° W	71.4	3.28	
Port Blair ...	29.993	81.2	20	33	6	2	...	...	...	2	...	84 N 33° E	151.4	4.67	
Nancowry ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Roorkee ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Allahabad ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

NOTE.

Barometric Pressure.—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 18. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table, "Prof. papers on Indian Engineering, No. CXIII." The temperatures at the sea-level are taken from column 3 of the above table.

Temperature.—The temperatures in column 3 are reduced from those in column 18 on the preceding page, by adding 1° Fahrenheit for every 450 feet.

Wind Resultant.—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

Cloud.—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 10.

The above, being all comparable, afford the data for constructing a meteorological chart for the month which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

JOHN ELIOT, M.A.,

Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 9th March 1878.

Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th March 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878. March	3rd	142.0	Inches 29.931	69.7	83.4	26.5	56.9	69.9	Inches 0.110	53.3	57	Till 1 P.M. N W by W through S W and W, till midnight S S W through W and S W.	108	Inches. Nil	Clear.
"	4th	114.8	.806	76.2	80.7	23.8	65.9	69.0	.637	65.8	71	Till 6 P.M. N W by W through S W and W, till midnight S S W through W and S W.	166	"	Morning cloudy, day and night clear, o, f and u.
"	5th	149.4	.908	72.7	87.8	26.8	61.0	60.7	.372	50.8	46	Till 9 A.M. S, till midnight W by N through E and N.	91	"	Clear, f and w.
"	6th	146.9	.867	73.3	85.4	28.2	60.2	63.6	.460	56.0	57	Till 9½ A.M. S through S W, till 7 P.M. W by N through S W, till midnight S W through W.	86	"	Clear and w.
"	7th	146.4	.934	75.8	88.5	21.4	67.4	70.5	.678	67.6	76	Till 3½ P.M. N N W through W and N W, till midnight S by W through W and S W.	92	"	Chiefly clear, f and w.
"	8th	148.7	.964	76.7	88.6	16.3	72.3	72.1	.729	69.8	79	S by W and S W by S.	177	"	Chiefly cloudy, o, g, t, l, d and f.
"	9th	149.3	30.021	79.6	89.7	19.6	70.1	73.6	.749	70.6	74	Till 1½ P.M. N W through W, till 9 P.M. S through W and S W, till midnight E by S through S E.	110	*0.01	Chiefly cloudy, o and l.

\* Fell at 6 P.M. of the 8th.

The mean pressure of the seven days	...	...	inches. 29.952
The average pressure of the corresponding period for 25 years.	S. G. Office	...	29.884

The mean temperature of the seven days	...	...	° 74.9
The average temperature of the corresponding period for 25 years.	S. G. Office	...	78.0
The extreme variation of temperature during the seven days	...	...	32.8
The maximum temperature during the seven days	...	...	89.7

The mean relative humidity during the seven days	...	...	% 66
The average relative humidity of the corresponding period for 25 years.	S. G. Office	...	63

The total fall of rain from 3rd to 9th March 1878	...	...	inches. 0.01
The average fall of the corresponding period for 25 years.	S. G. Office	...	0.43
The total fall from 1st January to 9th March 1878	...	...	0.55
The average fall of the corresponding period for 25 years.	S. G. Office	...	2.25

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory.\* They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

f foggy, w dew, o overcast, g gloomy, t thunder, l lightning, d drizzling, s strong wind.

METEOROLOGICAL OFFICE, INDIA, HENRY F. BLANFORD,  
The 11th March 1878. Meteorological Reporter to the Government of India.

Reports of Fluctuation of Traffic on the Eastern Bengal Railway for the four weeks ending 23rd February 1878.

EASTERN BENGAL RAILWAY COMPANY, TRAFFIC SUPERINTENDENT'S OFFICE.

Report on the Traffic for the four weeks ending the 23rd February 1878.

Dated Calcutta, the 4th March 1878.

From—W. INNES, ESQ., Acting Traffic Superintendent,

To—The Agent, Eastern Bengal Railway, Scaldah.

The weight of goods carried by the Eastern Bengal Railway during the above period amounted to 7,89,173 maunds. This, as compared with the corresponding period of 1877, shows an increase of 86,708 maunds, which is accounted for mainly by the increased traffic in jute, miscellaneous goods, piece-goods, foreign railway materials, turmeric, and salt, over balancing a decrease of nearly 1,98,000 maunds in the rice and grain traffic, 28,000 maunds in sugar, nearly 21,000 in seeds, and over 6,000 in tobacco.

*Increases.*

Drums of jute ... .. Mds. 1,49,653  
Bales of do. ... .. " 84,088

This is owing to better prices offering in the jute market.

Miscellaneous goods ... .. Mds. 73,705

This traffic is from its scarcely definite nature uncertain, and it is not easy to determine with exactness the various influences regulating it; but no doubt the opening of the Northern Bengal State Railway may be held to have had a stimulating effect.

Piece-goods ... .. Mds. 9,876

This traffic again shows a very satisfactory increase, and may be expected to keep pace with the rising welfare of the people.

Railway material, foreign ... .. Mds. 9,438

This is of course due to the Northern Bengal State Railway, and may be expected to continue.

Turmeric ... .. Mds. 6,230

This staple continues to show a very satisfactory increase, the demand being regulated by the seasons and its consumption.

Salt ... .. Mds. 5,485

This traffic also continues steadily to show a satisfactory increase.

Hides, bundles of ... .. Mds. 2,513

This shows a fair increase.

*Decreases.*

Grain, including rice ... .. Mds. 1,97,960

This is chiefly owing to the diminished demand for supply to the famine stricken districts.

Sugar ... .. Mds. 28,029

This is unsatisfactory, but may be expected to improve as the season advances. There is, however, no doubt but that the decreased demand from the large districts effected by famine has had a depressing influence on this traffic.

Seeds ... .. Mds. 20,801

This is also unsatisfactory, this being the season for seed traffic; however, the remarks on the grain decrease may perhaps hold good here.

Tobacco, bundles of ... .. Mds. 6,295

The fluctuations in this traffic are capricious and can scarcely be anticipated, the influences effecting it being in a measure uncertain.

Gunny, bales of ... .. Mds. 2,808

This traffic is of course mostly dependent on the fluctuations in the demand for grain, seed, sugar, &c., for which bags are required.

I attach the usual statement of increases and decreases.

EASTERN BENGAL RAILWAY.

Statement showing Increases and Decreases in maundage of staples carried over the line for the four weeks ending 23rd February 1878, as compared with the corresponding period of 1877

STAPLES.	1877.		1878.		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Ale, beer, wine, &c. ... ..	1,298	3	1,083	.....	1,301	1,083	.....	213
Cotton, bundles of ... ..	45	.....	67	671	45	624	583	.....
Ditto, bales of ... ..	700	.....	445	143	700	588	.....	112
Grain, including rice ... ..	5,973	3,90,157	2,559	1,95,611	3,96,130	1,98,170	.....	1,97,960
Gunny, bundles of ... ..	2,123	781	3,491	201	2,884	3,692	808	.....
Ditto, bales of ... ..	690	6,230	1,073	3,040	6,920	4,112	.....	2,808
Hides, bundles of ... ..	.....	10,500	406	12,013	10,600	13,079	2,513	.....
Ditto, bales of ... ..	.....	.....	.....	.....	.....	.....	.....	.....
Jute, drums of ... ..	787	65,500	1,361	2,14,045	66,356	2,16,009	1,49,653	.....
Ditto, bales of ... ..	.....	4,831	.....	88,919	4,831	88,919	84,088	.....
Piece-goods ... ..	21,092	78	27,952	3,094	21,170	31,046	9,876	.....
Railway materials, foreign ... ..	3,939	.....	13,377	.....	3,939	13,377	9,438	.....
Salt ... ..	27,410	.....	32,895	.....	27,410	32,895	5,485	.....
Seeds ... ..	1,107	40,620	4,383	16,540	41,733	20,932	.....	20,801
Sugar ... ..	212	51,969	3,311	20,811	52,181	24,152	.....	28,209
Tea ... ..	3	900	6	1,027	993	1,033	40	.....
Tobacco, bundles of ... ..	41	11,068	298	4,500	11,090	4,804	.....	6,295
Ditto, bales of ... ..	.....	.....	.....	.....	.....	.....	.....	.....
Turmeric ... ..	.....	1,098	29	7,890	1,698	7,928	6,230	.....
Twist ... ..	2,771	1,317	4,501	124	4,118	4,625	507	.....
Miscellaneous ... ..	23,083	25,308	65,811	56,255	48,391	1,22,096	73,705	.....
Total ... ..	91,274	6,11,191	1,63,135	6,26,038	7,02,465	7,89,173	3,42,926	2,56,218
						7,02,465	2,56,218	.....
Increase ... ..	.....	.....	.....	.....	.....	86,708	86,708	.....



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 2nd March 1878 on 1,279½ miles open

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN		
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.		Coach- ing.	Merchan- dise.		Total.		
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.					£ s. d.	
Total traffic for the week	119,362½	2,25,683 2 0	20,032 10 7	16,07,705 30	5,68,229 14 0	52,087 14 10	7,93,312 0 0	46,966½	110,343	163,369½		
Or per mile of railway		175 14 1	16 2 5½	...	114 0 3	40 14 1	819 14 1					
For previous 8 weeks of half-year	1,006,291½	15,17,151 10 0	139,072 4 8	1,10,02,008 0	83,19,293 1 6	395,435 4 0	58,56,114 11 6	359,229½	812,835½	1,202,064½		
Total for 9 weeks	1,216,257	17,42,233 12 0	159,704 13 3	1,35,09,713 30	48,87,523 0 0	448,022 18 10	66,29,750 12 0	406,190½	930,178½	1,365,374½		
COMPARISON.												
Total for corresponding week of previous year	172,617	2,34,082 4 10	21,457 10 11	13,33,608 20	5,44,274 8 3	49,891 16 7	7,78,356 13 1	46,020	102,357	148,377		
Per mile of railway, corresponding week of previous year		182 14 7	16 15 4	...	125 4 0	38 19 9	608 3 4					
Total to corresponding date of previous year	1,596,498	21,67,517 9 2	198,689 2 3	1,14,76,478 0	18,31,588 6 11	442,805 12 1	65,99,104 0 1	447,328	892,027	1,339,355		

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 2nd March 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week .. ..	5,957	10,634 0 6	1,169 15 9	1,08,343 30	32,663 9 0	2,994 3 2	43,497 0 6	5,308½	4,865	10,263½
Or per mile of railway .. ..		71 19 7	6 11 4		145 15 8	13 7 8	217 10 3			
For previous 8 weeks of half-year	60,751	1,08,919 3 0	15,487 9 3	12,08,512 30	3,38,265 15 0	31,002 4 3	5,07,155 2 9	38,388½	84,078½	122,467½
Total for 9 weeks	66,708	1,19,553 3 6	16,656 10 0	13,16,886 20	3,70,869 8 0	33,996 7 5	5,55,852 12 3	43,786½	88,943½	132,730
COMPARISON.										
Total for corresponding week of previous year	6,894	20,576 7 9	1,886 3 7	2,62,978 30	63,553 14 0	6,825 15 6	84,130 5 9	4,459	12,526	16,985
Per mile of railway, corresponding week of previous year		91 15 5	8 8 7		284 0 7	20 0 9	576 0 0			
Total to corresponding date of previous year	75,825½	3,08,027 4 3	28,235 16 8	20,32,392 10	5,22,477 2 0	47,593 11 9	8,70,504 6 3	49,291	135,005	184,296

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 2nd March 1878 on 158½ miles open.

	COACHING TRAFFIC				MERCHANDISE AND MINERAL TRAFFIC				Total receipts
	Number of passengers	Coaching receipts.		Weight carried.	Receipts				
Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.				
Total traffic for the week	43,404	37,634 3 0	3,449 16 0	2,10,516 37	40,825 0 8	4,567 5 11	8,017 1 11		
Or per mile of railway	287	237 13 1	21 16 0	1,340 11	314 13 7	28 17 3	50 13 3		
For previous 8 weeks of half-year	311,562½	2,40,332 13 5	22,030 10 1	15,59,908 1	3,89,776 5 10	35,720 10 1	57,760 0 2		
Total for 9 weeks	357,966½	2,77,967 0 5	25,180 6 1	17,70,424 38	4,39,691 6 6	40,296 16 0	65,777 2 1		
COMPARISON.									
Total for corresponding week of previous year	44,046½	34,405 1 4	3,162 0 11	2,27,129 2	38,130 13 11	3,495 0 8	6,057 7 7		
Per mile of railway, corresponding week of previous year	278	217 15 8	19 19 7	1,135 10	240 15 3	22 1 9	42 1 4		
Total to corresponding date of previous year	337,969	2,48,652 9 2	22,793 2 11	17,09,153 20	3,36,241 15 0	30,821 5 4	53,614 8 3		

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd March 1878 on 27½ miles open

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	3,182	1,308 0 0	130 16 0	22,996 0	1,404 0 0	140 8 0	271 4 0
Or per mile of railway	117	48 0 0	4 16 0	814 0 0	51 8 0	5 8 0	9 19 0
For previous 8 weeks of half-year	19,218	8,192 0 0	819 4 0	1,78,469 0	7,948 0 0	794 16 0	1,614 0 0
Total for 9 weeks	22,430	9,500 0 0	950 0 0	1,61,465 0	9,352 0 0	935 4 0	1,885 4 0
COMPARISON.							
Total for corresponding week of previous year	2,535	1,240 8 4	124 1 1	12,947 38	718 0 6	71 16 1	195 17 2
Per mile of railway, corresponding week of previous year	93	45 8 4	4 11 1	475 6	26 5 7	2 12 8	7 5 9
Total to corresponding date of previous year	22,227	10,243 2 7	1,024 6 4	99,510 28	6,024 0 0	602 8 9	1,626 14 1

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 4th March 1878 on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week .. ..	3,550	1,523 0 0	152 6 0	16,365 0	1,696 0 0	168 12 0	260 18 0
Or per mile of railway .. ..	130	59 0 0	5 12 0	621 0	61 0 0	6 0 0	9 12 0
For previous 9 weeks of half-year ..	24,430	9,560 0 0	956 0 0	1,61,165 0	9,352 0 0	935 4 0	1,885 4 0
Total for 10 weeks ..	25,980	11,023 0 0	1,102 6 0	1,78,490 0	10,458 0 0	1,043 16 0	2,146 2 0
COMPARISON.							
Total for corresponding week of previous year	2,350	1,006 8 2	100 12 9	4,614 21	398 5 6	39 16 9	140 9 6
Or per mile of railway, corresponding week of previous year .. ..	83	36 14 11	3 13 10	170 18	14 10 0	1 9 3	5 3 1
Total to corresponding date of previous year	24,490	11,249 8 9	1,124 19 1	1,64,185 9	6,422 5 6	642 4 9	1,767 3 10

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd March 1878 on 28 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.									
	Number of passengers.	Coaching receipts			Weight carried.	Receipts.												
		Rs.	A.	P.		£	s.	d.		Rs.	A.	P.	£	s.	d.			
Total traffic for the week	9,319	1,577	0	0	157	14	0	31,751	0	1,139	0	0	113	18	0	271	12	0
Or per mile of railway	332	56	0	0	5	12	0	1,133	0	41	0	0	4	2	0	9	14	0
For previous 8 weeks of half-year	71,471	12,980	0	0	1,298	0	0	1,87,919	0	6,457	0	0	645	14	0	1,943	14	0
Total for 9 weeks	80,790	14,557	0	0	1,455	14	0	2,19,670	0	7,596	0	0	759	12	0	2,215	6	0
COMPARISON.																		
Total for corresponding week of previous year	11,676	1,766	13	6	176	13	9	19,738	10	745	2	11	74	10	4	251	4	1
Per mile of railway, corresponding week of previous year	417	63	1	7	6	6	2	704	37	26	9	10	2	13	3	8	19	5
Total to corresponding date of previous year	96,482½	13,391	8	6	1,339	3	1	1,51,159	16	5,298	11	7	529	17	10	1,869	0	11

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 16th February 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	4,863	3,763 4 3	376 6 6	13,499 20	3,151 12 6	315 3 7	683 10 1
Or per mile of railway	28	21 8 6	2 3 1	78 20	18 5 2	1 16 8	3 19 9
For previous 6 weeks of half-year	20,783½	11,143 11 9	1,115 7 6	52,978 20	9,411 6 3	941 2 9	2,086 10 3
Total for 7 weeks	25,776½	16,157 0 0	1,515 14 0	66,478 0	12,563 2 9	1,256 4 1	2,772 0 4
COMPARISON.							
Total for corresponding week of previous year	...	...	...	...	...	...	...
Per mile of railway, corresponding week of previous year	...	...	...	...	...	...	...
Total to corresponding date of previous year	...	...	...	...	...	...	...





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 20, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 16th March 1878.*

### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,  
The Hon'ble G. C. PAUL, *Acting Advocate-General*,  
The Hon'ble H. J. REYNOLDS,  
The Hon'ble A. MACKENZIE,  
The Hon'ble J. O'KINEALY,  
The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
The Hon'ble F. JENNINGS,  
The Hon'ble RAJAH PRAMATHA NATHA ROY, BAHADOOR,  
The Hon'ble BABOO MOHINI MOHUN ROY,  
and  
The Hon'ble MR. AMEER ALI.

### COURT OF WARDS.

The Hon'ble MR. REYNOLDS moved for leave to introduce a Bill to amend the law relating to the Court of Wards within the provinces subject to the

Lieutenant-Governor of Bengal. He said that the Council would remember that the subject had been under consideration during the last year, and a Bill was brought in, and was eventually passed in April 1877, and sent up to the Governor-General for sanction. Unfortunately one of the sections of that Bill prohibited the execution of civil court decrees against property under the charge of the Court of Wards, and this was considered to be at variance with a provision in the new Code of Civil Procedure, and the Governor-General was therefore unable to give his assent to the Bill, and at the same time the Government of India suggested some minor alterations and amendments in it. The Bill, in accordance with those suggestions, was now in the course of being re-drafted, and if permission were given to him to introduce the Bill, it would be circulated to hon'ble members in the course of the week.

The motion was agreed to.

#### RURAL POLICE IN HAZARIBAGH AND LOHARDUDGA.

The HON'BLE MR. O'KINEALY moved for leave to introduce a Bill for the regulation of the rural police in Hazaribagh and Lohardugga. As His Honor the President and hon'ble members were no doubt aware, for a long time the police organization in Chota Nagpore had been somewhat different from that in the other districts of Bengal. There the zemindars were allowed and indeed were bound to guard the passes, to protect travellers and traffic, and to maintain law and order within the limits of their own zemindari. At the time of the decennial settlement, this circumstance was taken into consideration and great reductions were made in the amount of the Government revenue assessed. For instance, he would take the case of the Ramgurh estate. The Government demand upon that estate before the decennial settlement amounted to over forty thousand rupees. But at the time of the decennial settlement it was reduced to nearly one-half, in consideration of the zemindars maintaining a large force of police for the assistance of the local officers, and the maintenance of law and order within the limits of their estates. The zemindars as it were in turn sublet these liabilities. They appointed sirdars to superintend the police patrols, and compelled them to collect and support a number of men sufficient to perform the duties. These officers were not paid any fixed salaries, but were granted a remuneration for their services,—jagheers of one or two villages in the immediate vicinity of the passes which were under their control. This system was maintained till 1862, when the regular police were introduced into the province, and then the police stations were taken over by the Government, and the zemindary police were relieved of their duties. He had pointed out already that at the time of the decennial settlement, when the duties of the zemindars were defined, their assessments were reduced. Strange to say that in 1862, when a converse course took place and the zemindars were relieved from all responsibility as regards the thana police, they were not bound, not compelled to continue their previous payments. Moreover the patrol system had not been found to work well. The police were subject to no discipline or control. As a fact, they never attended the passes they were supposed to guard, unless the Magistrate or other high authority was known to travel in that direction. It might be safely asserted that one of the most serious blots in the administration of that division was that the services of village patrols, which the zemindar and holders of under-tenures were bound to maintain, and to a certain extent did keep up, were not utilized in a proper way. Some short time since an experiment was tried in the district of Hazareebagh. The patrol police were transferred from the irresponsible direction of the zemindars and their under-tenants, and placed under the immediate control of the District Superintendent of Police, and the services of the under-tenants and zemindars were commuted into fixed money payments, sufficient to meet the charges incurred on account of police. This system had been found to work admirably. Robberies and dacoities had ceased under the organization of the new police, and it was simply to legalise and extend that organization that the present Bill was introduced.

Intimately connected with the question of the patrol police was the position and duties of the village police. At present the practice in Chota Nagpore seemed to be that the zemindar prepared a list of the sums which each ryot was bound to pay for the support of the chowkidar, and left the

total demand of Government revenue, both current and arrear, from all classes of estates amounted to Rs. 27,70,590, of which Rs. 23,72,016 were paid and Rs. 9 remitted, leaving an outstanding balance at the close of the year of Rs. 3,98,565 due to Government on account of the current and arrear demand. The following statement shows the results of the collection of rent and revenue in each Division during 1876-77:—

	Burdwan.	Presidency.	Rajshahye.	Dacca.	Chittagong.	Patna.	Bhagulpore.	Orissa.	Chota Nagpore.	TOTAL.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Arrear rent ... ..	1,24,408	32,22,701	6,49,135	4,12,854	1,25,895	31,28,333	3,85,991	53,904	2,78,166	53,80,087
Current demand of rent ... ..	2,53,531	23,50,512	8,25,394	5,52,490	1,63,493	24,00,807	4,22,052	1,17,504	4,26,733	75,13,114
Total collections during the year ... ..	2,19,713	22,41,724	7,87,888	5,43,309	88,547	15,59,039	4,17,268	1,29,226	3,97,916	68,84,630
Government revenue paid during the year ... ..	51,347	10,57,724	3,09,238	1,34,018	37,203	5,01,447	2,00,274	38,013	42,752	23,72,016

4. In reviewing the results of the administration of wards' and attached estates, it has hitherto been the practice to compare the amount of rent realized during the year with the total demand, both current and arrear. Tested by this standard, it is inevitable that the actual collections in any year must bear a comparatively small proportion to the actual demand, while the standard itself is fluctuating and uncertain. It may be possible to lay down, as in the case of Government estates, that the collections of the year should as a rule not fall below a certain percentage of the current demand; but the proportion which the collections should bear to the total demand cannot be defined at all. For the amount of the arrear balance depends mainly upon the condition of the estate and the relations between the proprietor and his tenants when Government assumes the management; and different officers are found to take very different views as to the possibility of recovering arrears. It may reasonably be expected that, if the test of efficient administration is to be the proportion of the total demand collected, the managers of estates will be more ready to recommend that balances should be written off as irrecoverable; and thus debts which might be realized will be lost. The Lieutenant-Governor is, therefore, inclined to agree with the Board that the test of successful management should be the proportion borne by the collections to the current rather than to the total demand. Applying this standard to the results of the past year, it appears that the realizations amounted to 85 per cent. of the current demand. In six districts the percentage of collections was exceptionally low, but this was due to the operation of special causes and not to laxity of management on the part of the Court of Wards. After making allowance for the embarrassed circumstances of many estates, and for the fact that the rent-roll of a property under native management frequently exaggerates the assets, the Lieutenant-Governor thinks that a larger proportion of the demand should have been collected. It is the first duty of a Government manager to enforce the punctual realization of rents, and no schemes of improvement should be allowed to hinder this object.

5. In the Burdwan Division the balance of rent uncollected at the end of the year amounted to Rs. 1,57,940, of which Rs. 1,01,354 were due to the Chuckdighee estate. Heavy legal expenditure was incurred on behalf of this estate, and the litigation also produced an injurious effect by encouraging the ryots to withhold rents which were actually due. The Court of Wards was successful in the Subordinate Civil Court, but an appeal which has been made to the High Court is still pending. The Board of Revenue should watch the case carefully, and see that no unnecessary expenditure is incurred. In Midnapore the collections of rent due to the wards' estates amounted to 90 per cent. of the current demand, and in other respects the administration of these properties by the Collector appears to have been judicious and successful.

6. The Presidency Division shows an arrear balance of Rs. 32,68,918, the three heaviest items being Rs. 20,61,051 due to the Satkhira estate, and Rs. 3,72,826 to the Paikpara estate, both in the 24-Pergunnahs. There was also an arrear of Rs. 1,98,664 on the estate of Nashipore, in Moorshedabad, and of Rs. 1,11,716 on the attached estate of Ramnagur, in Jessore. No returns

are furnished for Narail. The involved state of the Satkhira estate is due to mismanagement and neglect before it passed under the Court of Wards, and three-fourths of the balance is stated to be outstanding from before this time, and to be now irrecoverable. It is observed that the debts on the estate have increased from Rs. 3,24,085 to Rs. 3,45,675 during the past year, and the Collector seems to doubt the possibility of materially reducing this amount. In the Paikpara estate the deficient collections are attributed to the cyclone and storm-wave of October 1876, which seriously affected the Noakholly portion of the property. Most of the balance will probably be recovered, and in any case the estate has more than 25 lakhs invested in mortgages and Government securities, and can afford to bear the loss arising from a great natural calamity. The Nashipore estate, in Moorshedabad, seems to be recovering from the confusion into which its affairs were thrown by the neglect of the late manager, and the Lieutenant-Governor hopes that the Court of Wards may be able to discharge all liabilities before the close of the current year. Special orders have issued to the Board regarding the estate of Narail, in Jessore. No doubt the position of the manager is one of some difficulty, but the Lieutenant-Governor must insist on vigorous efforts being made to procure the submission of accurate returns. At present it is impossible to say even approximately what are the assets and liabilities of the estate.

7. In the Rajshahye and Cooch Behar Division the most important property is the political estate known as the Chacklajat, in which the uncollected balance amounted to Rs. 2,55,645. Owing to the laxity of management which prevailed before the property came under the Court of Wards, considerable difficulties were at first encountered in realizing rents from the joteldars, but it is expected that the measurement and reassessment of the estate, commenced in 1876, will disclose large quantities of land held by these middlemen in excess of their rights, and will largely enhance the rent-roll of the estate.

8. By far the largest estate under the charge of the Court of Wards in the Dacca Division is that of Ramkishore Acharjee, which appears to be very deeply involved. The uncollected balance at the end of the year amounted to Rs. 1,15,034, while the debts on the estate came to Rs. 8,89,047. The attempts of the manager to set the affairs of the minor in order were thwarted by the widow of the late proprietor, and the ryots were indisposed to make any concessions in order to relieve the estate from its encumbrances. Under the circumstances, it appears probable that some portion of the estate will have to be sold to redeem the debts which were incurred during the lifetime of the late proprietor. All the estates in the Chittagong Division suffered severely from the cyclone, and their financial position is consequently far from satisfactory.

9. In the Patna Division the unrealized balance of rent amounted to Rs. 37,48,856, of which no less than Rs. 34,03,505 were due to the Durbhunga estate. Separate orders will be passed on the supplementary report which the Board promise to submit. Most of the estates in the Patna Division are deeply involved, and the only properties which have any considerable sum invested are those of Durbhunga and of Avadh Behari Sarun Misr. In this latter estate, however, the expenses of management bear an extravagant proportion to the current demand. The same remark applies to several estates in the Patna Division and to the estates of Chanchal and Chauthan, in the Bhagulpore Division. Measures must be at once taken to reduce the charges, and the Board will be good enough to submit a special report on the subject.

10. In Orissa the condition of the Kanika estate appears to be improving, and the debt has been considerably reduced during the past year. The uncollected balance has been augmented by the necessity of granting to the ryots remissions of rent on account of losses by flood.

11. Considerable progress has been made in the reduction of the debt on the Chota Nagpore estate, but the uncollected balance is still very heavy. The current demand of the estate amounted to Rs. 1,34,592, and the total demand, both current and arrear, to Rs. 2,74,772, while the collections on both accounts came to only Rs. 1,19,559. This result is far from satisfactory. The ryots in Chota Nagpore are not a turbulent class, and it was stated in the report for 1875-76 that the relations between them and the estate were thoroughly cordial. No doubt cases occasionally occur in which ryots who have fallen into arrears with their rents evade the claim by emigrating to the tea districts;

but this practice can hardly be carried out to such an extent as to cause serious loss; and if the collections were punctually made, the amounts thus barred by limitation would be trifling. It is observed that there are still 319 petty estates sequestrated for debt under the special procedure in force in Chota Nagpore; but now that the Encumbered Estates' Act has provided the means of saving the larger properties from sale, the Lieutenant-Governor thinks that it should be considered whether the majority of these should not be released from attachment and left to be dealt with by the ordinary course of law. A special report has been called for from the Commissioner on this subject.

12. The following statement shows the financial condition of the principal wards' estates in Bengal during the year 1876-77 :—

1	2	3	4	5	6	7	8	9	10
NAME OF ESTATE.	Current demand of Government revenue, and of rent due to superior landlords from the estates.	Arrear demand of rent due to the estates.	Current demand of rent due to the estates.	Rent collections of the year on account of both current and arrear demands.	Miscellaneous receipts (other than rent).	Expenses of management.	Disbursements on all other accounts.	Total investment of estates (other than land).	Debts on the estates.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Chuckdigeo ... ..	1,00,531	92,165	1,57,000	1,47,901	97,988	13,477	1,35,791	3,71,061	4,251
Satkhira ... ..	1,87,767	20,56,192	3,30,424	3,25,565	48,175	24,677	1,39,987	...	3,45,675
Gobardanga ... ..	98,043	1,61,338	1,70,309	1,78,905	6,190	13,849	19,818	2,168	9
Paikpara ... ..	3,92,500	2,87,334	8,96,500	8,17,631	2,46,838	70,280	5,63,735	25,03,622	...
Nudda ... ..	75,947	73,484	1,52,380	1,52,252	15,608	10,002	60,863	...	...
Nuldanga ... ..	66,509	85,001	1,16,129	1,15,056	9,874	6,942	45,565	2,11,378	...
Nashipore ... ..	1,83,211	2,20,796	2,60,911	2,59,109	11,608	6,754	35,127	...	20,000
Chanchal ... ..	74,104	1,10,640	1,09,848	1,67,441	28,801	35,822	71,823	3,27,320	11,200
Chacklajat ... ..	1,18,025	2,26,219	2,97,180	2,37,448	69,061	36,342	72,181	...	195
Estate of A. J. Brodie and brothers ... ..	82,197	1,17,766	95,611	98,292	33,929	11,442	20,677	1,47,156	6,311
Durblunga ... ..	4,35,792	27,92,340	21,48,483	13,27,359	7,79,893	2,65,602	9,07,513	16,33,723	3,666
Chota Nagpore ... ..	14,364	1,37,725	1,36,925	1,22,476	11,278	16,879	98,140	...	90,064

\*On the whole the Lieutenant-Governor considers the results of the year's administration of wards' and attached estates to be creditable to the Board of Revenue and to the local Courts of Wards. In several estates which had become seriously involved vigorous reforms have been commenced, and real progress has been made in the difficult task of bringing order out of the confusion in which too many estates are involved when they pass under the management of the Court. The main principles by which the Board have been guided are sound, and are calculated to reconcile the apparently conflicting duties of Government in its double capacity of landlord and trustee.

13. During the year, fifteen wards were receiving their education at the Calcutta Wards' Institution at an average cost of Rs. 214 per mensem. This is slightly above the average cost in the previous year; but prices have been high, and, looking to the social position of the inmates of the institution, this amount does not appear to be excessive. Allowing for the absence of special inducements to study, the progress made by the pupils seems to be fairly satisfactory, while the personal influence of the Director and the encouragement given to out-door pursuits have produced a healthy general tone in the Institution. The thanks of the Lieutenant-Governor are due to Dr. Rajendralala Mitra for his efficient management of the important and delicate charge entrusted to him.

By order of the Lieutenant-Governor of Bengal,

H. J. REYNOLDS,

Secretary to the Government of Bengal.



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 16th March 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIV.</b>	1 Burdwan, Mar. 16 '78	Nil	Pressing of sugarcane is going on. Wheat and barley are doing well. Cholera and small-pox are prevalent in Cutwa, Raneeunge, and Bood-Bood sub-divisions. Fever prevails in Jehanabad sub-division. Cholera still lingers in Culna sub-division.
	2 Bankoora, " 16 "	0.46	Weather—clear and hot in the early part of the week. A very lowering sky on the 14th ended on the 15th in thunder showers. No change in the state and prospects of the crops since last week. Some cases of cholera, small-pox and measles, and cattle disease are reported.
	3 Beerbhoom, " 16 "	0.10	Heavy storms in the north of the district on the 15th. A very slight fall of rain at the station. All is well with such crops as are still on the ground.
	4 Midnapore, " 16 "	0.25	Weather—hot and seasonable. Nothing new to report on the state and prospects of the crops.
	5 Hooghly, " 16 "	0.35	Weather—very warm. Cloudy on the 14th and 15th. Slight rain on the night of the 15th. The land is being ploughed for indigo. Sugarcane is being planted. A few cases of cholera and small-pox have been reported from the Hooghly and Chinsurah Municipality. Cattle disease has broken out in one village in thana Pandooah.
<b>PRESIDENCY DIV.</b>	Howrah, " 18 "	0.16	Weather—seasonable, with occasional storms in the evening. The slight rain has been beneficial to the few crops on the ground. It seems to have been heavier in Moheshrekha than at head-quarters, and it will facilitate cultivation.
	6 24-Pergunnahs, Mar. 16 '78	0.23	Squally weather, with a little rain. The late showers have done good, but rain is still much wanted. Some cholera continues. Cattle disease is reported from all the thanas of Satkhira.
	7 Nudda, " 16 "	0.10	Occasional fogs in the morning. A little rain fell in most parts of the district. There is scarcely anything on the ground now. The rain has been of much service in facilitating cultivation. The fogs have injured the mango blossoms.
	8 Jessore, " 16 "	1.43 Jhenidah 3.02, Magoo- rah 2.00, Bagirhat 1.55	Weather—seasonable. State and prospects of the crops are favourable. The recent rain that fell has done much good. Sowings of paddy have commenced.
	9 Moorsshedabad, " 16 "	0.25	Weather—seasonable. The <i>rubbee</i> crops are being reaped with every prospect of a fair outturn. Cholera still prevails locally in a sporadic form.
<b>RAJSHAHY AND COCH BEHAR DIV.</b>	10 Dinagepore, Mar. 15 '78	Nil	Weather—cool. Strong east wind blowing. The prospects of the spring crops are good. General health of the district has improved.
	11 Rajshahye, " 16 "	0.001	The heat is daily increasing. The nights are still cool. There have been mist nearly every morning. A very slight fall of rain on the night of the 15th. The cutting of the <i>rubbee</i> crops, and the sowing of sesamum and early rice are going on; a shower of rain would do much good. The price of rice is high. A few cases of cholera occurred in the vicinity of Nowhatta.
	12 Rungpore, " 15 "	Nil Gaibanda 0.72	There was some slight drizzling rain on the night of the 13th, followed by high easterly winds. State and prospects of the crops continue to be favourable. The tobacco outturn this year is expected to be an average one. Cholera still exists in some parts of Oleepore and Bhowanigunge thanas. Fever is at its minimum.
	13 Bogra, " 16 "	0.74	There was a shower of rain on the night of the 15th, and more is anticipated. The sowing of early rice and jute has commenced in some places. Linseed and ganja are being gathered; the latter crop is not very good. Some cases of cholera have been reported from Panchbibi station.
	14 Pubna, " 16 "	Nil	Slight rain in most parts of the district at the commencement of the week, which has done no benefit to the crops. The sky appears now and then cloudy. No change to report in the state and prospects of the crops; but rain is wanted.
	15 Darjeeling, " 15 "	1.53	Several showers of rain with some hail and a good deal of high wind. The recent rain will be favourable to the approaching rice sowings. There are no crops of importance on the ground now.
	16 Julpigoree, " 15 "	0.90	The weather has been windy and stormy. The present fall of snow on the Bhootan Hills seems to have been unusually heavy. There is nothing fresh to report about the crops. The price of rice is rapidly rising all over the district, owing to the increased demand for export.
	Cooch Behar, " 14 "	Nil	East winds prevailing. Weather cool. The prospects of <i>cheena</i> and <i>kaon</i> continue satisfactory. Tobacco in places has suffered from the high winds. Public health is generally good.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.</i>			
Dacca Divn.	17 Dacca, Mar. 16 '78	0.06 Manick-gunge 0.32, Moon-shee-gunge 1.25 for week ending 13th.	Weather—seasonable and getting warm. State and prospects of the crops are favourable. The rain has done much good in every way.
	18 Furreedpore, „ 16 „	0.02 Madari-pore 2.76	Weather—generally cloudy, with a breeze from the south. The prospects of the crops have been benefitted by the rain which fell during the week in the Madari-pore sub-division and by the previous rain in the head-quarters sub-division. A storm is reported to have occurred at Goulundo on the evening of the 12th instant. There was no rain at Goulundo itself, but rain and hail are believed to have fallen in the neighbourhood. The storm caused some damage to boats on the river, but particulars have not been received. Sporadic cases of cholera and some cases of small-pox have been reported, but there is no serious outbreak of sickness.
	19 Backergunge, „ 14 „	1.93	There has been some rain, but not nearly sufficient to permit the beginning of ploughing. Food still continues dear, from Rs. 3 to Rs. 3.8 per maund. There has been, and there still is, a serious outbreak of small-pox in the sub-division of Perozepore.
	20 Mymensingh, „ 15 „	0.24	Weather—stormy and showery. Ploughing is in progress.
	21 Tipperah, „ 15 „	1.08 Sub-divn 0.77	Rain fell on the 6th, 7th, and 8th in the south, and on the 9th and 10th in the centre and west of the district. There was a heavy thunder-storm on the night of the 9th. <i>Roro</i> rice and other crops are thriving. <i>Khesari</i> and <i>kalai</i> are being reaped. Chillies are being gathered. <i>Aus dhan</i> is being transplanted. Sugarcane is nearly all cut. Rice is being exported to the south and to Naraingunge. The average price of the staple is about Rs. 2.14.
Chittagong Divn.	22 Chittagong, „ 14 „	0.92	Nights and mornings are cool. Days are hot. Rain has benefitted the cold-weather crops. <i>Pania aus</i> is being transplanted. Rice is selling at 10 to 16 seers per rupee.
	23 Noakholly, „ 14 „	0.55	Weather—daily getting warmer. Slight rain fell on the 8th and 10th. The cold-weather crops are progressing favourably. Public health is good.
	24 Chittagong Hill Tracts, „ 12 „	Nil	Weather—seasonable. Cloudy on the 11th. Joom-cutting still continues. Tobacco leaves are being gathered in small quantities. The lands are being ploughed for <i>aus</i> crop.
	Hill Tipperah, „ 13 „	2.17	Weather—stormy on the 6th, 8th, and 11th. A good deal of rain has fallen. There was hail also on the 8th. Much damage has been caused by hail to the mango blossoms. Prices have slightly fallen.
<b>BEHAR.</b>			
Patna Divn.	25 Patna, Mar. 16 '78	Nil	Nothing new to report about the state and prospects of the crops.
	26 Gaya, „ 16 „	Slight rain.	Weather—warm. Maximum thermometer in the shade 101.2°. The <i>rubbee</i> harvest is going on. Injury by insects is still reported. Prices show no upward tendency at present.
	27 Shahabad, „ 16 „	Drizzling	Weather—cloudy, with strong east wind. The <i>rubbee</i> crops are being harvested; they have, however, been greatly damaged by insects. Peas and gram have been cut. Prices are still high. Public health is good.
	28 Darbhunga, Mar. 16 '78	Nil	Strong east wind prevailing. The weather thus far is unfavourable for indigo, though it is favourable for the <i>rubbee</i> harvest which is satisfactorily progressing. There is promise of an excellent mango season.
	29 Mozufforpore, „ 16 „	Nil	Weather—getting warm. West wind prevailing. The <i>rubbee</i> crops are being reaped. Poppy and tobacco have been much injured by caterpillars in Hajee-pore sub-division.
	30 Sarun, „ 16 „	Nil	Weather—cold in the mornings and evenings; seasonably warm at midday; cloudy with high east wind during the last three days; sprinkling rain on the morning of the 16th. The cold-weather crops are still being harvested, and a fair outturn is expected, save in the <i>rahar</i> which has suffered somewhat from frost. Injury has been done to the mango trees by the east wind. Poppy-heads are still being tapped. Prices are stationary. Public health is good.
	31 Chumparun, „ 16 „	0.08	Weather—nice and cool. Sky overcast, and there was a slight shower of rain on the morning of the 16th. Nothing new to report regarding the prospects of the <i>rubbee</i> and opium crops. The <i>rubbee</i> has commenced to be harvested, and the lancetting of opium is nearly over. Grain market is steady.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Continued.)			
BHAGLPORE DIVISION.	32 Monghyr, Mar. 16 '78	Nil	Weather—warm, with east winds and rain threatening. The <i>rubbee</i> crops are being harvested. The opium is suffering from blight, and its outturn is much reduced.
	33 Bhagulpore, „ 16 „	0.17	Weather—hot, with easterly winds. Nights are cool. A shower in the afternoon of the 16th. The harvesting of the <i>rubbee</i> crops has commenced. Prices are unchanged. Health is generally good.
	34 Purneah, „ 16 „	0.06	Temperature windy. Winds generally easterly. The outturn of the <i>rubbee</i> harvest is generally good, and the prospects continue good where the harvest is in progress. Rain is required for the <i>bhadoi</i> sowings.
	35 Maldah, „ 16 „	Nil	Weather—fair. The <i>rubbee</i> harvest is progressing: in most places the crop seems an excellent one, but along the banks of the Ganges it is not so good. The price of rice is very high for the time of year, owing to the demand for export. Cholera is prevalent in Manick Chuk and Nowabgunge, and cases have also been reported from old Maldah and Gajole.
	36 Sonthal Pergah, „ 17 „	Nil	Weather—warmer, but seasonable. Gram and wheat have been fair. <i>Mohwa</i> in the Godda sub-division has been destroyed by hail. Small-pox and cholera are still about.
ORISSA.			
ORISSA DIV.	37 Cuttack Mar. 16 '78	Nil	Weather—warm and windy. There was rain in several parts of the district which has benefitted the <i>dalua</i> and cotton crops. Ploughing for next year's crop is going on in those parts.
	38 Pooree, „ 14 „	A few drops, Khoodah 0.01	Weather—warm for the season. <i>Dalua</i> rice and <i>moong</i> are being reaped. Common rice is selling at a rupee for 11½ to 15½ seers. Export of rice to the Madras Presid-ney continues. The selling price of rice in the salt tracts is a rupee for 9½ Calcutta seers. Public health is good.
	39 Balasore, „ 15 „	0.13	Weather—foggy in the morning; hot and dry in the day. A few very slight showers have fallen. The few crops on the ground are in fair condition. Sporadic deaths from cholera occur.
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh, Mar. 15 '78	Nil	Weather—seasonable. No change to report about the crops. Prices of food grains continue to rise.
41	Lohardugga, „ 16 „	1.03	There have been three storms of wind from the westward, the last one accompanied with hail and rain. The <i>rubbee</i> crops are being harvested. Some of them are better than others. The outturn is about 8 annas. <i>Mohwa</i> promised well till the hail of the 15th. It is not known whether the storm was general. Considerable emigration to the Tributary Mehals in the south of the district is going on. Prices have not risen since last report.
42	Singbhoom, „ 15 „	Nil	Weather—seasonable. A severe storm on the evening of the 14th at Chyebassa, but no damage has been done. Nothing to report about the crops. The district is healthy.
43	Manbhoom, „ 16 „	0.05	Weather—stormy. Bad reports of the condition of the people have been received from the west of the district. The prospects of the <i>mohwa</i> crop have been reported favourable, but heavy storms of wind and rain have very lately occurred, the reports of the effects of which are awaited.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 19th March 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal.

**RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE  
UNDERMENTIONED DISTRICTS OF BENGAL FOR THE FORTNIGHT  
ENDING 15<sup>TH</sup> JANUARY 1878.**

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.		DISTRICTS.		QUANTITIES PER RUPEE BY																													
				WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULLEUSH MILLET— CUMBOO, BAJRA.																	
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.												
BENGAL.																																	
Western Districts.																																	
1	Burdwan	...	...	...	A	11 4	16 0	12 12	22 0	26 0	30 0	12 0	14 4	19 0	12 8	15 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
2	Bankoora	...	...	...	B	12 8	12 8	20 0	18 0	22 0	28 0	12 8	12 8	25 0	17 0	17 8	30 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	Beerbhoom	...	...	...	C	11 0	11 0	16 0	18 0	20 0	...	12 8	12 0	18 0	15 0	15 0	24 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
4	Midnapore	...	...	...	...	12 0	12 0	17 0	...	...	...	13 0	15 0	20 0	16 0	17 0	28 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	Hooghly	...	...	...	...	12 0	12 8	14 8	...	...	...	9 0	10 0	{ 11 0 to 11 8 }	12 8	13 0	{ 18 8 to 10 0 }	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Howrah	...	...	...	...	12 0	12 4	13 0	...	...	...	10 0	8 0	12 8	12 8	13 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Central Districts.																																	
	Calcutta	...	...	...	...	11 12	11 12	13 0	14 8	16 0	22 0	7 0	7 0	9 8	11 10	12 0	14 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
6	24-Pergunnahs*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	Nuddea	...	...	...	...	13 5	12 5	16 13½	20 0	...	...	10 10	12 5	16 0	11 10	13 13	16 13½	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
8	Jessore	...	...	...	D	11 0	11 12	...	...	...	...	11 8	11 12	11 8	13 0	15 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
9	Moorshedabad	...	...	...	E	15 0	16 0	{ 18 0 to 19 0 }	35 0	28 0	35 0	11 0	{ 13 0 to 14 0 }	16 0 to 17 8	13 0	{ 14 8 to 15 0 }	20 0 to 21 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	Dinagepore	...	...	...	F	12 0	12 0	11 0	...	23 0	14 8	18 0	14 8	18 0	10 0	18 8	29 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
11	Rajshahye	...	...	...	G	12 12	12 0	13 8	27 8	37 8	...	{ 10 0 to 11 4 }	12 12	{ 16 8 to 20 4 }	13 12 to 13 8	13 8 to 15 0	23 4 to 21 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
12	Rungpore	...	...	...	H	15 0	15 0	22 8	...	...	...	11 15	11 15	15 0	22 8	18 0	22 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
13	Bogra	...	...	...	...	9 15½	12 0	16 10	...	...	...	12 0	12 0	16 8	15 12	16 8	28 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
14	Pubna	...	...	...	I	10 8	13 0	18 12	...	...	...	8 0	8 0	12 0	12 0	15 0	23 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
15	Darjeeling*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Julpigoree	...	...	...	J	10 0	10 0	8 0	...	...	...	12 0	12 0	15 0	16 0	16 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																																	
17	Dacca	...	...	...	K	13 0	13 1	12 4	32 0	32 0	53 0	12 0	11 12	17 10	14 4	14 8	23 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
18	Furreedpore	...	...	...	L	15 0	15 0	22 8	...	...	...	7 0	8 0	8 0	13 0	14 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
19	Backergunge	...	...	...	M	...	...	...	...	...	...	12 0	11 0	13 0	14 0	14 0	15 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
20	Mymensingh	...	...	...	N	10 8	10 0	14 0	...	...	...	12 0	13 0	20 0	13 0	14 8	26 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

\*-Return not received.  
A In the interior the prices range as follow :—Wheat 10½ to 13 seers, barley at 30 to 38 seers, best rice 11 to 15½ seers, common rice 13 to 16½ seers, and gram 12½ to 20 seers.  
B In the interior the prices range as follow :—Wheat 11½ to 16 seers, barley 20 to 36 seers, best rice 12½ to 18 seers, common rice 15 to 20 seers, maize or Indian-corn 20 to 39 seers, and gram 12 to 16 seers.  
C In the interior the prices range as follow :—Wheat 11 to 17 seers, best rice 13 to 17 seers, common rice 13½ to 18 seers, and gram 13 to 21 seers.  
D In the interior the prices range as follow :—Wheat 8 to 13½ seers, best rice 10 to 13 seers, common rice 13 to 15 seers, and gram 11½ to 14 seers.  
E In the interior the prices range as follow :—Wheat (at Lalbagh) 14 seers, barley (at Lalbagh) 25 seers, best rice 11 to 12 seers, common rice 13 seers, and gram 17½ to 20 seers.  
F In Roygunge the prices are—Wheat 13 seers, best rice 13 seers, common rice 16 seers, and gram 15 seers.

*undermentioned Districts of Bengal for the Fortnight ending 15th March 1878.*

THE SEER OF 80 TOLAHS.

GREAT MILLETS— CHOISM, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL.																			
Western Districts.																			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.		
...	...	...	...	...	...	...	...	...	13 4	16 0	19 4	120 0	120 0	100 0	8 12	8 14	9 0	Burdwan.	
...	...	...	...	...	...	30 0	32 0	40 0	12 0	13 0	18 0	140 0	140 0	180 0	8 8	8 8	8 12	Bankoora.	
...	...	...	...	...	...	25 0	30 0	...	16 0	16 0	15 0	200 0	200 0	200 0	8 0	8 8	8 8	Beerbhoom.	
...	...	...	...	...	...	...	...	...	14 0	16 0	17 0	180 0	180 0	260 0	9 0	9 0	9 0	Midnapore	
...	...	...	...	...	...	...	...	...	16 0	{ 14 8 to 15 0	17 0	120 0	120 0	120 0	9 0	9 0	9 0	Hooghly.	
...	...	...	...	...	...	...	...	...	11 0	12 12	10 0	80 0	80 0	125 0	9 8	9 8	10 0	Howrah.*	
Central Districts.																			
11 10	13 5	20 0	...	...	...	10 8	22 0	14 8	16 0	19 0	100 0	100 0	100 0	8 0	8 0	8 0	Calcutta.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24-Pergunnahs.*	
...	...	...	...	...	...	...	...	16 0	17 4	24 2	120 0	120 0	120 0	8 14	8 14	9 24	Nuddea.		
...	...	...	...	...	...	...	...	16 0	16 8	30 0	110 0	110 0	120 0	8 0	8 0	8 0	Jessore.		
...	...	...	...	...	...	...	...	20 0	{ 20 0 to 20 12	{ 22 13 to 20 10	120 0	120 0	{ 120 0 to 130 0	{ 8 0 to 9 0	{ 8 0 to 9 0	{ 8 0 to 9 0	Moorshedabad.		
...	...	...	...	...	...	...	...	14 8	14 8	14 8	180 0	180 0	180 0	8 0	8 0	8 4	Dinagapore.		
...	...	...	...	...	...	24 0	17 8	17 8	{ 15 0 to 18 0	...	200 0	240 0	320 0	8 54	8 10	9 0	Rajshahye.		
...	...	...	...	...	...	...	...	12 8	15 0	9 0	107 0	107 0	107 0	7 8	7 8	7 8	Rungpora.		
...	...	...	...	...	...	...	...	12 0	12 0	15 0	67 8	67 8	67 8	8 7	8 4	8 4	Bogra.		
...	...	...	...	...	...	...	...	10 8	{ 13 0 to 18 12	14 0	200 0	200 0	200 0	8 8	8 8	9 0	Fabna.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.*		
...	...	...	...	...	...	...	...	10 0	10 0	13 0	64 0	64 0	100 0	7 5	7 5	7 0	Julpigoree.		
Eastern Districts.																			
...	...	...	...	...	...	...	...	13 5	15 3	16 0	80 0	80 0	97 0	8 14	8 14	8 14	Dacca.		
...	...	...	...	...	...	...	...	14 0	14 0	16 0	...	...	...	9 0	9 0	9 0	Furreedpore.		
...	...	...	...	...	...	...	...	12 0	13 0	14 0	100 0	100 0	100 0	8 8	8 8	8 8	Backergunge.		
...	...	...	...	...	...	...	...	13 8	12 8	12 0	...	...	...	9 0	9 0	8 10	Mymensingh.		

G In Nattore the prices are—Wheat 12 seers, best rice 10½ seers, common rice 15 seers, and gram 13½ seers.

H In the interior the prices range as follow:—Wheat 15 to 20 seers, best rice 13 to 16 seers, common rice 18 to 20 seers, and gram 8 to 18 seers.

I In Serajunge the prices are—Wheat 11 seers, best rice 8 seers, common rice 12½ seers, and gram 12½ seers.

J In the interior the prices range as follow:—Wheat 10 seers, best rice 6 to 13 seers, common rice 10 to 16 seers, and gram 8 to 10½ seers.

K In the interior the prices range as follow:—Wheat (at Jaffergunge) 16 seers, barley (at Jaffergunge) 20 seers, best rice 8 to 13 seers, common rice 11 to 14 seers, and gram 12½ to 18 seers.

L In the interior the prices range as follow:—Wheat (at Goalundo) 14 seers, barley (at Goalundo) 20 seers, best rice 9 to 13 seers, common rice 13 to 14 seers, and gram 13 seers.

M In the interior the prices range as follow:—Best rice 11 to 12½ seers, common rice 12½ to 14 seers, and gram 10 to 12 seers.

N In the interior the prices range as follow:—Wheat 10 to 14 seers, best rice 7 to 13½ seers, common rice 12½ to 15½ seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

## QUANTITIES PER RUPEE BY

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, RAJEA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—(Contd.)																									
21	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
22	Noakholly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
23	Tipperah	10 12	10 0	11 0	...	...	...	12 0	12 0	14 0	14 0	14 0	21 0	...	...	...	...	...	...	...	...	...			
24	Chittagong Hill Tracts*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
	Hill Tipperah	8 0	8 5	10 5	...	...	...	14 0	12 0	16 0	15 5	13 0	25 0	...	...	...	...	...	...	...	...	...			
BEHAR.																									
25	Patna	16 0	16 0	16 0	21 0	21 0	34 0	10 0	10 8	16 0	16 0	16 0	21 0	...	...	...	...	...	...	...	...	...			
26	Gya	14 0	16 0	18 0	20 8	22 0	29 0	8 8	9 0	13 8	12 8	13 0	22 8	...	...	...	...	...	...	...	...	...			
27	Shahabad	13 4	13 8	16 0	16 0	19 0	28 0	11 0	11 0	12 0	12 0	13 0	13 0	13 8	19 0	...	...	...	...	...	...	...			
28	Durbhunga	14 4	14 12	15 4	19 8	22 0	24 0	11 0	11 0	15 12	13 8	14 4	20 12	...	...	...	...	...	...	...	...	...			
29	Mozufferpore	13 0	13 0	13 0	...	...	32 0	8 0	8 0	11 0	12 0	12 0	18 0	...	...	...	...	...	...	...	...	...			
30	Sarun	11 8	12 4	13 0	21 0	19 0	...	7 12	7 12	10 0	13 0	11 12	18 0	...	...	...	...	...	...	...	...	...			
31	Chumpran	14 0	14 0	14 0	28 0	21 0	...	9 0	9 0	9 0	12 8	12 0	19 0	...	...	...	...	...	...	...	...	...			
32	Monghyr	15 7	13 11	14 7	16 8	14 7	31 5	8 4	10 5	13 6	12 6	12 6	19 9	...	...	...	...	...	...	...	...	...			
33	Bhugulpore	13 4	13 4	15 2	18 15	23 0	18 5	10 11	11 6	20 3	13 4	13 6	23 11	...	...	...	...	...	...	...	...	...			
34	Purneah	14 0	14 0	15 0	...	...	...	14 0	14 0	...	...	...	...	...	...	...	...	...	...	...	...	...			
35	Maldah	11 0	11 0	15 0	30 0	35 0	15 0	14 0	16 0	23 0	15 0	17 0	27 0	...	...	...	...	...	...	...	...	...			
36	Southal Pergunnahs	9 0	9 0	...	...	...	...	12 0	12 0	17 0	13 0	13 0	23 0	...	...	...	...	...	...	...	...	...			
ORISSA.																									
37	Cuttack	11 13	10 8	14 7	...	...	...	9 3	9 3	13 2	11 13	13 2	18 6	...	...	...	...	...	...	...	...	...			
38	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
39	Balasore	10 0	11 0	13 0	...	...	...	10 0	10 8	21 0	11 0	14 0	30 0	...	...	...	...	...	...	...	...	...			
CHOTA NAAGPORE.																									
South-Western Frontier Agency.																									
40	Hazareebagh	12 0	12 8	13 0	16 8	...	...	9 0	9 8	12 0	13 8	13 8	22 4	...	...	...	...	...	...	...	...	...			
41	Lohardugga	10 0	10 0	16 0	18 0	18 0	20 0	13 0	13 0	20 0	15 0	15 0	30 0	...	...	...	...	...	...	...	...	...			
42	Singbhoom	16 0	16 0	24 0	36 0	36 0	32 0	16 0	16 0	20 0	22 0	22 0	40 0	...	...	...	...	...	...	...	...	...			
43	Manbhoom	11 0	11 0	16 0	32 0	32 0	32 0	14 0	14 0	18 0	17 0	17 8	34 0	...	...	...	...	...	...	...	...	...			

\* Return not received.

† In the interior the price of common rice ranges from 16½ to 21 seers.

O In the interior the prices range as follow:—Wheat 13½ to 16 seers, barley 19 to 20 seers, best rice (at Jehanabad) 9 seers, common rice 11 to 14 seers, lesser millets (at Nowad) 22 seers, maize or Indian corn (at Nowada) 18 seers, and gram 16 to 18 seers.

P In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 14 to 17 seers, best rice 8 to 10 seers, common rice 9½ to 13 seers, great millet 12 to 14 seers, lesser millets (at Sassoram) 17 seers, maize or Indian-corn 14 to 17 seers, and gram 13 to 15 seers.

Q In Tappore the prices are:—Wheat 13 seers, barley 18 seers, best rice 9 seers, common rice 14 seers, and gram 16 seers.

R In the interior the prices range as follow:—Wheat 12 to 19 seers, barley 19 to 30 seers, best rice 8 to 16 seers, common rice 12 to 17 seers, lesser millets 15 to 25 seers, maize or Indian corn 15 to 25 seers, and gram 13 to 20 seers.

S In the interior the prices range as follow:—Wheat 13 to 15½ seers, barley 21 to 25 seers, best rice 9 to 10 seers, common rice 11½ to 13 seers, lesser millets 22 to 25 seers, maize or Indian-corn 17 to 26 seers, and gram 14 to 25 seers.

T In the interior the prices range as follow:—Wheat 14½ to 16½ seers, barley 19 to 25 seers, best rice 8½ to 12½ seers, common rice 12½ to 14½ seers, great millets 16½ to 18½ seers, lesser millets 23½ to 25½ seers, maize or Indian-corn 17½ to 18½ seers, and gram 16½ to 18½ seers.

CALCUTTA,

The 19th March 1878.

## mentioned Districts of Bengal for the Fortnight ending 15th March 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLUM, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	

Eastern Districts—(Contd.)																		DISTRICTS.
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakholly.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.

## BEHAR.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	DISTRICTS.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gya.
16 0	18 0	25 0	10 0	18 0	25 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Shahabad.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darbhanga.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Muzafferpore.
17 8	17 0	31 0	18 0	20 0	30 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Saran.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chumpran.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Monghyr.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bhagulpore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Puneah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mallah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Pergas.

## ORISSA.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	DISTRICTS.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.

## CHOTA NAGPORE.

## South-Western Frontier Agency.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	DISTRICTS.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hazaribagh.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lohardugga.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singbhoom.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Manbhoom.

- U In the interior the prices range as follow:—Wheat 15 to 18 seers, barley (at Banka) 20 seers, best rice 15½ to 16 seers, common rice 16½ to 17 seers, Murwa (at Mudhepoora) 26 seers, maize or Indian-corn (at Banka) 25 seers, and gram 16 to 17½ seers.
- V In the interior the prices range as follow:—Wheat 12 to 20 seers, best rice 14 to 15 seers, common rice 16 seers, and gram 13 to 16 seers.
- W In the interior the prices range as follow:—Wheat 12 to 15 seers, barley 20 seers, best rice 12½ to 16½ seers, common rice 14 to 17 seers, maize or Indian-corn 18 to 28 seers, and gram 14 to 20 seers.
- X In the interior the prices range as follow:—Wheat 13 to 14 seers, barley (at Chuttra) 24 seers, best rice (at Chuttra) 9 seers, common rice 13 to 14 seers, maize or Indian-corn 15½ to 18 seers, and gram 14 to 17 seers.
- Y In the interior the prices range as follow:—Wheat (at Lohardugga) 18 seers, barley (at Daltongunge) 21-75 seers, best rice 11-25 to 17 seers, common rice 12-75 to 18 seers, mohwa (at Daltongunge) 40-50 seers, murwa (at Lohardugga) 26 seers, maize or Indian-corn (at Daltongunge) 16-75 seers, and gram 16-75 to 25 seers.
- Z In the interior the prices range as follow:—Wheat 11 to 16 seers, best rice 15 to 20 seers, common rice 16½ to 22 seers, maize or Indian-corn 40 seers, and gram 12 to 17 seers.

Published for general information.

A. MACKENZIE,

Secy. to the Govt. of Bengal.



WHOLESALE PRICES-CURRENT of Food-grains, Fire-wood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 5 0	3 7 0	...	2 13 6	2 8 0	...	5 8 0	5 8 0	...	3 7 0	3 5 0	...	...	...	...
2	Serajgunge ...	3 8 0	3 8 0	...	...	...	...	3 0 0	4 8 0	...	2 14 0	2 12 0	...	...	...	...
3	Dacca ...	3 0 0	3 2 0	...	1 3 0	1 2 0	...	3 4 0	3 4 0	...	2 13 0	2 10 0	...	...	...	...
4	Narsingunge...	...	...	...	...	...	...	3 2 0	3 0 0	...	2 14 0	2 15 0	...	...	...	...
5	Chittagong*...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	2 8 0	2 8 0	...	1 14 3	1 14 6	...	4 0 0	3 12 6	...	2 8 0	2 8 0	...	...	...	...
7	Balasore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	3 4 0	3 10 0	...	...	...	...	4 2 0	4 2 0	...	3 4 0	2 13 0	...	...	...	...

\* Returns not received.

CALCUTTA,  
The 19th March 1878.

in the undermentioned *Marts* of Bengal for the fortnight ending 15th March 1878.

OF 40 SEERS.

GREAT MILLET— CHOLUM, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHRENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 7 9	3 0 0	...	...	...	...	...	3 12 0	...	2 12 6	2 8 0	...	0 7 0	0 7 0	...	4 0 0	4 0 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	...	...	...	...	4 6 0	4 6 0	...	Serajgunge.
...	...	...	...	...	...	...	...	...	2 14 0	2 9 0	...	0 6 0	0 6 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 2 0	3 15 0	...	0 9 0	0 9 0	...	4 4 9	4 6 0	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	2 0 0	2 0 0	...	1 14 8	1 14 6	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balassore.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	1 12 0	3 10 0	...	...	...	...	2 6 0	2 4 0	...	0 8 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 24th Feb. to 2nd March 1878.	Rain from 3rd to 9th March 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL.	WESTERN DISTRICTS.	Burdwan ...	0.02	Nil	0.29	9th Mar.	
		Cutwa ...	0.81	ditto	1.01	ditto	
		Culna ...	1.34	ditto	1.02	ditto	
		Blood-Blood ...	0.24	ditto	0.50	ditto	
		Raneegunge ...	0.03	ditto	0.49	ditto	
		Jehanabad ...	Nil	ditto	1.12	ditto	
		Bankoora ...	ditto	ditto	1.90	ditto	
		Beerbhoom ...	Soorea ...	ditto	0.94	ditto	
			Hetampore ...	ditto	0.20	ditto	
			Roy pore ...	ditto	0.20	ditto	
		Midnapore ...	Midnapore ...	ditto	0.02	3.00	ditto
			Tumlook ...	ditto	0.24	1.29	ditto
	CENTRAL DISTRICTS.	Ghattal ...	ditto	0.15	2.25	ditto	
		Contai... { Dy. Collr.'s Office...	ditto	Nil	0.35	ditto	
			Exe. Engr.'s Office	Not recd.	Not recd.	0.47	2nd Feb.
		Hooghly ...	Hooghly ...	Nil	0.13	0.69	9th Mar.
			Serampore ...	ditto	0.01	0.98	ditto
		Howrah ...	Howrah ...	ditto	0.01	1.80	ditto
			Maheshreka ...	ditto	0.17	3.08	ditto
	PRESIDENCY.	Saugor Island ...	0.10	Nil	0.90	ditto	
		Alipore ... { Observatory ...	Nil	0.01	0.55	ditto	
			Dispensary ...	ditto	0.02	3.66	ditto
			Jail ...	ditto	0.02	3.57	ditto
		Busseerhat ...	ditto	Nil	0.82	ditto	
		Baraset ...	0.03	ditto	0.60	ditto	Not received 17th to 23rd Feb.
		Diamond Harbour ...	Nil	0.49	1.70	ditto	Ditto ditto.
		Barrapore ...	ditto	0.80	2.17	ditto	
		Sakbira ...	ditto	Nil	1.14	ditto	
		Barrackpore ...	ditto	ditto	0.90	ditto	
		Dum-Dum ...	ditto	ditto	1.41	ditto	
		Kishinaghur ...	1.10	0.02	1.41	ditto	
		Rongong ...	0.33	0.03	1.83	ditto	
		Meherpore ...	0.50	0.37	1.00	ditto	
		Chooadanga ...	0.83	0.15	1.81	ditto	
		Kooshtea ...	1.42	0.55	2.58	ditto	
		Ranaghat ...	0.74	Nil	1.29	ditto	
		Jessore ...	0.35	0.16	1.49	ditto	
		Narail ...	0.05	0.53	1.12	ditto	
		Khoolna ...	Nil	0.12	1.06	ditto	
		Jhenida ...	0.02	2.08	3.95	ditto	
		Baguhat ...	Nil	0.05	0.50	ditto	
		Magoorah ...	0.58	2.00	3.50	ditto	
		Berhampore ...	0.18	Nil	0.73	ditto	
		Rampore Haut ...	0.52	ditto	1.01	ditto	
	RAJSHAHY.	Lallbagh ...	0.24	ditto	0.54	ditto	
		Jungypore ...	0.19	ditto	1.25	ditto	
		Azmungunge ...	0.20	ditto	1.45	ditto	
		Lalgolla ...	0.08	ditto	0.88	ditto	
		Kandee ...	Nil	ditto	0.87	ditto	
		Dinagepore ...	ditto	ditto	1.27	ditto	
		Raigunge ...	ditto	ditto	1.31	ditto	
		Maldah ...	ditto	ditto	1.98	ditto	
		Chanchal ...	ditto	ditto	1.72	ditto	
		Rajshahye ...	Banleah ...	0.05	ditto	0.49	ditto
			Nattore ...	Nil	ditto	1.12	ditto
			Rungpore ...	ditto	ditto	0.54	ditto
	COOCH BEHAR.	Bhabanigunge ...	ditto	ditto	0.73	ditto	
		Kurigram ...	ditto	0.27	1.12	ditto	
		Bagdogra ...	ditto	Nil	1.00	ditto	
		Bogga ...	0.02	ditto	1.74	ditto	
		Sherpore ...		0.10	ditto	1.51	ditto
		Nowkhilla ...		Nil	ditto	1.17	ditto
		Panchabibi ...		ditto	ditto	1.58	ditto
		Halulya ...		ditto	ditto	1.40	ditto
		Pubna ...		1.10	0.15	1.40	ditto
		Seragunge ...		0.58	1.00	8.41	ditto
		Darjeeling ...		Darjeeling... { Telegraph Office	Nil	Not recd.	1.39	2nd Mar.
			Hospital ...	ditto	0.07	1.36	9th Mar.
		Julpigoree ...		ditto	Nil	0.34	ditto
		Bodah ...		Not recd.	ditto	0.40	ditto	Not received 24th Feb. to 2nd Mar.
		Buxa—Civil Surgeon's Office		Nil	ditto	1.57	ditto
		Titalya ...		Not recd.	Not recd.	0.59	16th Feb.
		Cooch Behar Tribu- tary States.		Cooch Behar ...	Nil	Nil	0.76	9th Mar.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th Feb. to 2nd March 1878.	Rain from 3rd to 9th March 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL—continued.							
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.		
		Dacca	Dacca... { Telegraph Office... 0.60 Not recd. 1.16 2nd Mar.				
			... { Hospital ... 0.55 0.18 1.48 9th Mar.				
			Moonsheegunge ... 0.48 0.50 1.86 ditto				
		Furreedpore	Manickgunge ... 0.81 0.02 0.09 ditto				
			Furreedpore ... 0.80 2.35 3.69 ditto				
			Goalundo ... 0.27 0.59 1.71 ditto				
		Backergunge	Madaripore ... Nil 2.78 4.25 ditto				
			Burrisal ... 0.10 0.03 0.89 ditto				
			Perazepore ... 0.10 1.87 2.52 ditto				
			Patoakhally ... 0.10 0.23 0.91 ditto				
		Mymensingh	Bhola ... 0.10 1.36 1.84 ditto				
			Mymensingh ... 1.32 0.03 2.79 ditto				
			Jamulpore ... 0.30 Nil 1.55 ditto				
			Atia ... Not recd. 0.35 0.94 ditto ...				
		CHITTAGONG.	Kishoregunge ... 0.72 0.90 3.63 ditto				
			Chittagong	Chittagong { Telegraph Office 0.30 0.50 0.80 ditto			
... { Jail ... 0.43 0.68 1.61 ditto							
Cox's Bazar ... 0.74 1.53 2.27 ditto							
Noakholly	Noakholly ... 0.30 1.98 4.17 ditto						
	Fenny ... 0.17 0.38 3.60 ditto						
Tipperah	Comillah ... 0.30 0.46 2.56 ditto						
Chittagong Tracts.	Brahmunbariah ... 1.24 0.62 3.48 ditto						
Hill Tipperah	Hill Tipperah ... 0.80 0.80 3.04 ditto						
	... Kutua ... 0.99 Not recd. 0.99 2nd Mar. From 17th February.						
BEHAR.							
PATNA.		Patna	Patna ... Nil Nil 1.24 ditto				
			Behar ... ditto ditto 1.37 ditto				
			Barh ... ditto ditto 1.28 ditto				
			Dinapore ... ditto ditto 1.50 ditto				
		Gya	Gya ... 0.02 ditto 1.08 ditto				
			Nowadah ... Nil ditto 2.13 ditto				
			Aurangabad ... ditto ditto 0.97 ditto				
			Jehanabad ... ditto ditto 2.33 ditto				
		Shahabad	Arrah ... ditto ditto 1.98 ditto				
			Sasaram ... ditto ditto 0.93 ditto				
			Buxar ... ditto ditto 2.70 ditto				
			Bhuboah ... Not recd. ditto 2.80 ditto ...				
		Muzafferpore	Muzafferpore ... Nil Not recd. 1.56 2nd Mar.				
			Hajerpore ... ditto ditto 1.18 ditto				
			Seetampurhee ... 0.02 ditto 1.00 ditto				
		Durbhunga	Durbhunga ... Nil Nil 1.04 9th Mar.				
			Mudhoobunnee ... ditto ditto 0.89 ditto				
		Sarun	Tajpore ... ditto ditto 0.41 ditto				
			Chupra ... ditto ditto 1.32 ditto				
		Chumpran	Sewan ... ditto ditto 2.05 ditto				
			Motiharee ... ditto Not recd. 1.03 2nd Mar.				
			Bettiah ... ditto ditto 1.15 ditto				
		Monghyr	Segowlieh ... ditto ditto 1.41 ditto				
			Monghyr ... ditto ditto 0.88 ditto				
			Begowserai ... ditto ditto 2.03 ditto				
			Jamooee ... ditto ditto 1.55 ditto				
		Bhagulpore	Bhagulpore ... ditto Nil 2.09 9th Mar.				
			Scoopool ... ditto ditto Nil ditto				
			Muddehpooa ... ditto ditto 0.80 ditto				
			Banka ... ditto ditto 2.26 ditto				
Sonbursa ... ditto ditto 0.80 ditto							
Purneah	Purneah ... ditto ditto 0.67 ditto						
	Kissengunge ... ditto ditto 0.81 ditto						
	Arrareah ... ditto ditto 0.40 ditto						
Sonthal Pergunnahs	Nya Doomka ... Not recd. Not recd. 0.49 23rd Feb.						
	Rajmehal ... ditto ditto 0.80 ditto						
	Deoghur ... ditto ditto 0.58 ditto ...						
	Godda ... ditto ditto 0.96 ditto Not received 27th Jan. to 16th Feb.						

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th - Feb. to 2nd March 1878.	Rain from 3rd to 9th March 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	Nil	9th Mar.	
		... { Hospital	ditto	Not recd.	0.26	2nd Mar.	
		Jajpore	ditto	ditto	Nil	ditto	
		Kendraparah	0.20	ditto	0.50	ditto	
		Jagatsingpore	0.40	ditto	0.50	ditto	
		False Point	0.10	ditto	0.30	ditto	
	Pooree	Pooree	0.07	Nil	0.07	9th Mar.	
		Khurdah	0.05	0.01	0.13	ditto	
	Balasore	Balasore..	0.03	0.10	0.87	ditto	
		Bhadrack	0.08	Nil	0.89	ditto	
		Jellasore	Nil	0.06	1.19	ditto	
		Sorah	ditto	1.20	1.28	ditto	
		Chandbally	ditto	0.05	0.25	ditto	
	Cuttack Tributary Mehals.	Sumbalpore	ditto	Not recd.	0.45	2nd Mar.	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh... { Jail	0.02	Nil	0.55	9th Mar.	
		... { Dispensary	0.01	ditto	0.60	ditto	
		Pachamba	0.25	ditto	0.56	ditto	
	Lohardugga	Ranchee	Nil	Not recd.	0.83	2nd Mar.	
		Palainow	0.06	ditto	0.15	ditto	
	Singbhoom	Chyebassa	Nil	Nil	1.96	9th Mar.	
	Manbhoom	Purnia	ditto	ditto	1.71	ditto	
Govindpore		ditto	ditto	0.84	ditto		
ASSAM & ADJA- CENT HILLS.							
Sylhet	Sylhet	0.69	Not recd.	1.73	2nd Mar.		
Sibsagar	Sibsagar	0.14	ditto	2.38	ditto		
	Golaghat	0.07	ditto	3.48	ditto		
	Jorhat	Nil	ditto	2.30	ditto		
	Akyab	0.20	0.40	0.60	9th Mar.		
Rajpootana	Alwar	Nil	Nil	0.80	ditto		
	Jaipur	ditto	ditto	1.29	ditto		
	Sambhar	ditto	ditto	0.10	ditto		

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 16th March 1878.

## Meteorological Telegraphic Report for the period 10th to 16th March 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	Mar. 10th	10	30.023	30.045	83.2	78.0	70	S W by W	6.3	.....	K, FK	a
	10	16	29.880	29.901	88.7	73.5	46	S W	10.7	.....	K, CS	b
	11th	10	30.034	30.056	82.9	74.0	63	W by S	4.0	.....	.....	b
	10	16	29.902	29.924	92.5	65.3	17	N W	4.7	.....	.....	b
	12th	10	30.085	30.101	83.0	75.4	60	W S W	6.0	.....	.....	b
	10	16	29.941	29.963	99.2	69.1	30	S W by S	12.8	.....	.....	b
	13th	10	30.027	30.049	81.5	75.1	73	W by S	8.8	.....	.....	b
	10	16	29.897	29.919	94.7	67.7	20	W	5.8	.....	.....	b
	14th	10	29.994	30.015	83.0	76.1	71	S W by W	8.8	.....	C	c
	10	16	29.839	29.860	91.5	75.3	54	S W by S	6.8	.....	.....	c
	15th	10	29.948	29.97	82.5	67.7	43	W S W	12.5	.....	PC	o, g
	10	16	29.844	29.856	94.8	71.7	20	W S W	6.5	.....	.....	b
	16th	10	29.900	30.021	85.0	71.3	46	S	5.3	0.22	CK	c
	10	16	29.931	29.953	84.5	70.3	17	S W by W	11.7	.....	P, FK	o, g, l, d
	Mar. 10th	10	30.030	30.030	84	70	79	S W	12.2	.....	K, FK	b, m
SAUGOR ISLAND.	10	16	29.911	29.917	85	79	76	S S E	9.7	.....	K	b, m
	11th	10	30.035	30.041	80	70	72	W	10.4	.....	FK	b, m
	10	16	29.923	29.929	85	78	72	S	8.9	.....	K	b, m
	12th	10	30.088	30.094	84	78	75	W S W	10.2	.....	FK	b, m
	10	16	29.918	29.924	84	78	75	S	12.1	.....	.....	b, m
	13th	10	30.038	30.044	84	79	79	S W	14.1	.....	PK, FK	b, m
	10	16	29.921	29.929	80	80	76	S	13.3	.....	.....	b, m
	14th	10	30.009	30.015	84	79	79	W S W	11.8	.....	FK	b, m
	10	16	29.872	29.878	84	79	79	S S E	11.3	.....	FK	b, m
	15th	10	29.965	29.971	83	73	60	W S W	21.4	0.10	PK	t, l, r, q
	10	16	29.861	29.867	88	60	69	S W	13.8	.....	.....	b
	16th	10	30.015	30.021	84	77	72	S	9.7	.....	K	b, m
	10	16	29.900	29.936	82	77	79	S S W	12.5	.....	FK, PK	m
	Mar. 10th	10	29.972	30.065	81	76	78	Calm	4.5	1.30	K, FK, FK	v
	11th	10	29.995	30.088	80	74	74	N E	4.3	.....	FK	m
CHITTAGONG.	12th	10	30.038	30.132	75	73	90	N	4.5	.....	P	b, m
	10	16	29.978	30.071	78	70	65	N E	5.0	.....	.....	b, m
	13th	10	29.980	30.073	82	71	50	S	5.3	.....	K, FK	b, m
	10	16	29.937	30.029	83	78	79	S	9.0	.....	PK	m
	14th	10	29.950	30.043	82	75	71	N E	5.7	.....	PK	g
	Mar. 10th	10	30.069	30.083	79	75	82	N E	2.9	.....	C	.....
	11th	10	30.064	30.086	82	76	75	E	1.3	.....	C, K	.....
	12th	10	30.100	30.129	80	72	66	E N E	3.3	.....	C	.....
	13th	10	30.080	30.102	84	69	44	N E	3.5	.....	.....	b
	14th	10	30.074	30.096	84	71	50	E N E	2.3	.....	.....	b
	15th	10	30.047	30.069	82	73	63	E N E	2.5	.....	.....	b
	16th	10	30.034	30.080	84	73	57	E	1.8	.....	.....	.....
	Mar. 10th	10	29.937	30.019	80	77	65	S	3.4	0.20	C, KC	.....
	11th	10	30.030	30.112	84	76	69	N E	1.7	.....	.....	m
	12th	10	30.067	30.089	87	76	58	S	2.8	.....	.....	b
	13th	10	29.967	30.049	87	75	55	N N E	4.1	.....	F	.....
FAIRFAX ISLAND.	14th	10	29.977	30.058	88	76	50	S S W	5.0	.....	.....	c
	15th	10	29.943	30.025	84	71	50	N E	5.2	.....	CK, C	.....
	16th	10	29.947	30.029	87	75	55	S S W	6.1	.....	CK, C	.....
	Mar. 10th	10	30.019	30.034	80	77	65	S S W	5.3	.....	CK, C	.....
	11th	10	30.040	30.055	85	77	68	W	5.0	0.20	C	c
	12th	10	30.090	30.105	85	76	64	W	4.5	.....	.....	b
	13th	10	30.047	30.062	87	77	62	W S W	6.7	.....	.....	b
	14th	10	30.007	30.022	88	79	66	W S W	8.3	.....	C, CK	c
	15th	10	30.010	30.025	75	72	86	Calm	10.5	0.10	C, PC	c
	16th	10	30.010	30.025	85	76	64	E S E	5.0	.....	C	c
	Mar. 10th	10	30.023	30.054	85	75	91	S W by W	2.6	.....	.....	b
	11th	10	30.021	30.052	86	77	65	S	2.7	.....	.....	b
	12th	10	30.087	30.118	85	76	64	S by E	2.6	.....	.....	b
	13th	10	30.053	30.084	86	76	61	S W by S	2.6	.....	.....	b
	14th	10	30.021	30.052	86	74	55	S by W	2.9	.....	.....	b
	15th	10	29.980	30.020	87	73	49	S W	2.9	.....	.....	b
MADRAS.	16th	10	29.994	30.025	80	75	58	S E	2.3	.....	.....	b
	Mar. 9th	10	30.078	30.099	84	74	60	S E by S	12	.....	.....	b, c
	10	16	29.964	29.986	80	75	58	S E by E	12	.....	.....	b
	11th	10	30.063	30.085	85	74	60	S E by S	13	.....	.....	c
	12th	10	29.941	29.953	86	76	61	S E by S	14	.....	.....	b, c
	13th	10	30.052	30.074	80	78	61	S E	9	.....	.....	c
	14th	10	29.929	29.951	86	76	61	E S E	9	.....	.....	c
	15th	10	30.112	30.134	87	78	58	E S E	7	.....	.....	c
	16th	10	29.990	30.012	87	77	62	E	10	.....	.....	c
	Mar. 10th	10	30.117	30.139	88	75	52	S E by E	7	.....	.....	c
	11th	10	29.959	30.011	86	77	65	E	8	.....	.....	b, c
	12th	10	30.115	30.137	87	75	55	E S E	8	.....	.....	c
	13th	10	29.970	29.992	86	76	61	S E by E	10	.....	.....	b, c
	14th	10	30.045	30.067	88	77	59	S E by S	10	.....	.....	b
	15th	10	29.898	29.920	87	77	62	S E by E	12	.....	.....	b
COLOMBO.	Mar. 10th	10	30.008	30.048	85	78	73	N	2.5	.....	C	.....
	11th	10	29.908	30.008	86	78	68	N	3.8	.....	C	.....
	12th	10	29.948	30.030	84	77	71	N W	2.5	0.20	.....	o
	13th	10	29.995	30.035	85	77	68	N E	3.8	.....	.....	.....
	14th	10	30.005	30.045	87	80	72	N	5.0	.....	C	.....
	15th	10	29.995	30.035	86	80	76	S by W	7.3	.....	C	.....
	16th	10	29.972	30.012	87	79	69	N W	2.5	.....	C	.....
	Mar. 10th	10	30.051	30.093	81	78	87	N W	11.9	.....	.....	b
	11th	10	30.008	30.070	82	78	83	N W	11.9	.....	.....	b
	12th	10	30.106	30.118	82	77	79	E	11.9	.....	.....	b
	13th	10	30.050	30.092	82	78	83	N W	9.1	.....	.....	b
	14th	10	30.040	30.082	82	78	83	N N W	9.9	.....	.....	b
	15th	10	30.038	30.078	82	78	83	N N W	7.3	.....	.....	b
	16th	10	30.062	30.103	83	78	79	E N E	6.2	.....	.....	b

\* Velocity of wind in miles per hour.

JOHN ELIOT, M.A.,

Meteorological Reporter to the Government of Bengal.

CALCUTTA,  
The 16th March 1878.

Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th March 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Miles recorded.	Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1878. March	10th	151.2	Inches. 29.945	78.6	89.7	18.7	71.0	73.7	Inches 0.768	71.2	78	Till 7 A.M. S through S E, till midnight S W by W.	162	Inches. Nil	Chiefly clear, f and w.	
"	11th	152.9	.958	78.8	92.8	22.2	70.6	70.7	.646	66.2	66	Till noon N by E through W and N W, till midnight S through N and W.	99	"	Clear and w.	
"	12th	147.3	30.021	79.0	91.8	19.3	72.5	72.7	.721	69.5	73	S S W.	160	"	Clear, f and w.	
"	13th	150.4	29.949	80.1	94.5	22.5	72.0	72.6	.701	68.6	68	Till 11½ A.M. N through W and N W, till midnight S W through N W and W.	137	"	Morning cloudy, day and night clear, o and w.	
"	14th	147.7	.896	83.1	93.1	18.9	74.2	73.3	.686	68.0	60	Chiefly south.	185	"	Morning clear, day and night cloudy, ⊕ o, g, t, l, d and ↗	
"	15th	149.6	.911	79.7	94.8	20.8	74.0	69.6	.590	63.7	58	Till 6 A.M. N W by W through S W and W, till 10½ A.M. S through W and S W, till 9 P.M. S back again through E N and W, till midnight N E by N through W and N.	206	"	Cloudy, o, g, t, l, d, p and ↗	
"	16th	149.7	.975	78.9	91.3	20.3	71.0	70.1	.631	65.6	63	Till 3 A.M. E by S through N E, till 4 P.M. S W by W through S W, till midnight N E by N through W N W and N.	189	*0.23	Cloudy, o, g, t, l and d.	

\* 0.23 inches fell at 8-10 P.M. of the 15th.

The mean pressure of the seven days	...	Inches.	29.948
The average pressure of the corresponding period for 25 years.	S. G. Office	...	29.879
The mean temperature of the seven days	...	°	79.7
The average temperature of the corresponding period for 25 years.	S. G. Office	...	79.7
The extreme variation of temperature during the seven days	...	...	24.2
The maximum temperature during the seven days	...	...	94.8
The mean relative humidity during the seven days	...	%	67
The average relative humidity of the corresponding period for 25 years.	S. G. Office	...	68
The total fall of rain from 10th to 16th March 1878	...	Inches.	0.23
The average fall of the corresponding period for 25 years.	S. G. Office	...	0.23
The total fall from 1st January to 16th March 1878	...	...	0.78
The average fall of the corresponding period for 25 years.	S. G. Office	...	2.48
The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.			
The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.			
The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.			
The direction and movement of the wind are taken from the trace of a Beckley's anemograph.			
The mouth of the rain-gauge is one foot above the ground.			
f foggy, w dew, o overcast, ⊕ solar corona, g gloomy, t thunder, l lightning, d drizzling ↗ strong wind, p passing temporary showers.			
METEOROLOGICAL OFFICE, INDIA,		HENRY F. BLANFORD,	
The 19th March 1878.		Meteorological Reporter to the Government of India.	

PUBLIC WORKS DEPARTMENT,—BENGAL.

GENERAL ESTABLISHMENT.—No. 64.—The 15th March 1878.

Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagirathce, and Brahmapootra during the month of February 1878.

RIVER GANGES.																RIVER BHAGIRATHCE.				BRAHMAPOOTRA.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Miles.																Berhampore.				Kishnachur.		Gowhatty.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Mirzapore.																Benares.				Buxar.		Dinapore.		Monghyr.		Sahelunge.		Rampore		Bauleah.		Goalundo.		Berhampore.		Kishnachur.		Gowhatty.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares		From Benares	

J. E. T. NICOLLS, Major-General, R.E.,  
Sery. to the Govt. of Bengal, P. W. Department.



# Report of Fluctuation of Traffic on the Northern Bengal State Railway for the month of January 1878.

## NORTHERN BENGAL STATE RAILWAY.

### TRAFFIC DEPARTMENT.

Statement showing the Fluctuation in the Principal Staples of Traffic for the month of January 1878.

STAPLES.	INCREASE.		DECREASE.	
	Up.	Down.	Up.	Down.
	Mds.	Mds.	Mds.	Mds.
Rice	324	.....	.....	843
Pulses	.....	.....	.....	.....
Other food-grains	267	66	.....	.....
Oil-seeds	.....	.....	.....	48
Salt	.....	.....	121	30
Piece-goods, cotton (European)	.....	.....	271	53

SAIDPORE, the 5th March 1878.

G. M. DEBURY, Traffic Superintendent.

## Weekly Return of Traffic Receipts on Indian Railways.

### EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 9th March 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.		Coaching.	Merchandise.		Total.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.					
Total traffic for the week ...	153,716½	2,49,121 1 9	22,836 3 0	14,72,787 0	5,71,257 7 6	52,365 5 4	8,20,378 9 3	49,307½	112,046½	160,353½		
Or per mile of railway ...	.....	194 10 8	17 16 11	.....	446 6 1	40 18 4	641 0 9	.....	.....	.....		
For previous 9 weeks of half-year	1,216,257	17,42,233 12 0	150,704 15 3	1,35,00,713 30	48,87,623 0 0	448,022 18 10	60,20,750 12 0	400,190½	930,178½	1,365,374½		
Total for 10 weeks ...	1,369,973½	19,91,354 13 9	182,540 17 3	1,49,42,500 30	54,58,780 7 6	590,384 4 2	74,50,135 5 3	454,504½	1,071,324½	1,525,729½		
COMPARISON.												
Total for corresponding week of previous year ...	153,581	2,19,433 8 5	20,114 14 9	14,39,290 20	5,77,047 14 9	52,890 1 2	7,00,481 7 2	45,031	105,070	150,101		
Per mile of railway, corresponding week of previous year ...	.....	171 7 6	15 14 4	.....	450 14 6	41 6 8	622 6 0	.....	.....	.....		
Total to corresponding date of previous year ...	1,462,079	23,80,951 1 7	219,803 17 0	1,29,15,768 20	54,08,636 5 8	495,791 13 3	77,05,587 7 3	402,350	997,097	1,439,456		

### EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 9th March 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ... ..	10,034	29,228 8 3	2,679 5 7	1,18,694 20	35,407 13 0	3,251 4 3	64,690 4 3	5,611	5,394½	10,996½
Or per mile of railway .....		130 10 1	11 19 6		154 8 3	14 10 7	289 2 4			
For previous 9 weeks of half-year	60,739	1,84,953 4 3	16,956 16 0	13,16,846 20	3,70,809 8 0	33,090 7 5	5,55,852 12 3	43,780½	88,943½	132,730
Total for 10 weeks ... ..	70,772	2,14,211 12 6	19,636 1 7	14,35,541 0	4,06,337 4 0	37,247 11 8	6,20,519 0 0	49,397½	94,328½	143,725½
COMPARISON.										
Total for corresponding week of previous year ... ..	7,397½	23,961 5 6	2,196 9 2	2,88,513 0	69,430 13 0	6,363 11 5	93,392 1 6	5,010	14,752	19,762
Per mile of railway, corresponding week of previous year .....		107 1 5	9 16 4		310 4 2	28 8 10	417 5 7			
Total to corresponding date of previous year ... ..	83,213	3,31,958 9 9	30,432 5 10	23,20,904 10	5,01,807 14 0	54,237 0 2	9,23,896 7 0	54,301	140,757	204,058

### EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 9th March 1878 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Total receipts.		
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.		£ s. d.	
Total traffic for the week ... ..	45,036	36,228 5 0	3,320 18 7	2,01,056 6	44,825 1 1	4,475 12 7	7,798 11 2		
Or per mile of railway ... ..	298	224 14 11	20 19 8	1,270 20	303 8 0	28 5 8	40 5 4		
For previous 9 weeks of half-year ... ..	357,050½	2,77,907 0 5	25,480 6 1	17,70,424 38	4,39,001 3 6	40,296 16 0	65,777 2 1		
Total for 10 weeks ... ..	402,082½	3,14,105 5 5	28,801 4 8	19,71,461 4	4,88,426 7 7	44,772 8 7	75,573 13 3		
COMPARISON.									
Total for corresponding week of previous year	42,270½	34,140 15 10	3,130 2 10	1,79,778 39	31,313 6 1	2,870 7 10	6,000 10 8		
Per mile of railway, corresponding week of previous year	287	215 12 5	19 15 7	1,136 2	107 14 0	18 2 9	37 18 4		
Total to corresponding date of previous year...	380,230½	2,82,790 9 0	25,923 5 9	18,85,982 16	3,07,545 5 1	33,691 13 2	60,614 18 11		

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd March 1878 on 82 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.				
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.	£ s. d.		
Total traffic for the week	7,534	3,945 14 0	394 11 9	29,292 20	3,512 12 0	351 5 6	745 17 3		
Or per mile of railway	96	48 1 0	4 10 1	357 0	42 13 0	4 5 8	9 1 9		
For previous 8 weeks of half-year	71,818	35,875 1 0	3,587 10 1	2,97,227 0	23,933 45 1	2,593 7 11	6,180 18 0		
Total for 9 weeks	79,652	39,820 15 0	3,982 1 10	2,36,519 20	29,446 11 0	2,944 13 5	6,926 15 3		
COMPARISON.									
Total for corresponding week of previous year, opened 76½ miles	15,587	8,258 15 6	825 17 11	10,909 0	1,044 14 0	104 9 9	930 7 8		
Or per mile of railway, corresponding week of previous year	204	107 14 0	10 15 3	142 2 1	13 10 0	1 7 3	12 2 6		
Total to corresponding date of previous year	50,649	24,652 1 0	2,465 4 1	1,29,372 0	9,391 6 9	939 2 9	3,314 6 10		

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 9th March 1878 on 82 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	7,121	3,698 19 0	369 17 3	34,972 0	4,532 14 0	453 5 9	823 3 0
Or per mile of railway	86	45 1 0	4 10 1	426 0	55 2 0	5 5 9	12 2 6
For previous 9 weeks of half-year	79,652	39,820 15 0	3,982 1 10	2,36,519 20	29,446 11 0	2,944 13 5	6,926 15 3
Total for 10 weeks	86,773	43,519 9 0	4,351 19 1	2,71,491 20	33,979 9 0	3,397 19 2	7,749 18 3
COMPARISON.							
Total for corresponding week of previous year, opened 76½ miles	...	...	...	...	...	...	...
Or per mile of railway, corresponding week of previous year	4,664	2,611 4 0	261 2 6	14,715 0	1,706 0 0	170 12 0	311 14 6
Total to corresponding date of previous year	51,710	26,063 5 0	2,606 6 7	1,33,117 0	10,697 6 9	1,069 14 9	3,676 1 4

CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 9th March 1878 on 28 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	9,858	1,917 0 0	191 14 0	32,239 0	1,094 0 0	109 8 0	291 2 0
Or per mile of railway	352	68 8 0	6 9 0	1,151 0	39 0 0	3 18 0	10 7 0
For previous 9 weeks of half-year	80,799	14,517 0 0	1,451 14 0	2,19,650 0	7,793 0 0	779 12 0	2,215 0 0
Total for 10 weeks	90,648	16,434 0 0	1,643 8 0	2,51,889 0	8,887 0 0	889 0 0	2,506 8 0
COMPARISON.							
Total for corresponding week of previous year	10,966	1,592 12 3	159 5 6	20,280 20	694 2 9	69 8 4	229 13 10
Per mile of railway, corresponding week of previous year	391	56 14 1	5 13 9	724 20	24 12 8	2 9 7	8 3 4
Total to corresponding date of previous year	107,148	14,984 4 9	1,498 8 7	1,71,125 56	5,993 1 4	599 6 2	2,097 14 9

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd February 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	7,572	6,217 15 0	621 15 11	20,676 0	4,647 5 0	464 14 7	1,086 10 6
Or per mile of railway	44	36 2 5	3 12 4	120 0	27 0 4	2 14 1	6 6 5
For previous 7 weeks of half-year	25,776	15,157 0 0	1,515 14 0	66,678 0	12,563 2 9	1,256 6 4	2,772 0 4
Total for 8 weeks	33,348	21,374 15 0	2,137 9 11	87,354 0	17,210 7 9	1,721 0 11	3,858 10 10
COMPARISON.							
Total for corresponding week of previous year	...	...	...	...	...	...	...
Per mile of railway, corresponding week of previous year	...	...	...	...	...	...	...
Total to corresponding date of previous year	...	...	...	...	...	...	...

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd March 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week	7,570	6,632 0 0	663 4 0	18,098 0	3,770 0 0	377 0 0	1,040 4 0
Or per mile of railway	44	38 9 0	3 17 0	105 0	22 0 0	2 4 0	6 1 0
For previous 8 weeks of half-year	33,318	21,375 0 0	2,137 10 0	87,154 0	17,210 0 0	1,721 0 0	3,858 10 0
Total for 9 weeks	40,918	28,007 0 0	2,800 14 0	1,05,252 0	20,980 0 0	2,098 0 0	4,808 14 0
COMPARISON.							
Total for corresponding week of previous year	...	...	...	...	...	...	...
Per mile of railway, corresponding week of previous year	...	...	...	...	...	...	...
Total to corresponding date of previous year	...	...	...	...	...	...	...





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MARCH 27, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 23rd March 1878.*

### Present :

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,  
 The Hon'ble G. C. PAUL, *Acting Advocate-General*,  
 The Hon'ble H. J. REYNOLDS,  
 The Hon'ble A. MACKENZIE,  
 The Hon'ble J. O'KINEALY,  
 The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
 The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
 The Hon'ble RAJAH PRAMATHA NATHA ROY BAHADOOR,  
 The Hon'ble BABOO MOHINI MOHUN ROY,  
 and  
 The Hon'ble Mr. AMEER ALI.

### COURT OF WARDS.

The HON'BLE MR. REYNOLDS moved that the Bill to amend the law relating to the Court of Wards within the provinces subject to the Lieutenant-Governor

of Bengal be read in Council. He said that in making this motion it would be unnecessary for him to detain the Council with any remarks on the provisions of the Bill, because the Bill in its present shape was substantially a reproduction of the measure which was passed by this Council last session. The only differences of importance between this Bill and the former one were the omission of the section which was formerly section 9, which prohibited the execution of decrees of court against the property of wards, and the introduction of sections 69, 70, and 71, defining the duties and responsibilities of the guardians of wards. He thought, however, that it would be desirable that the Bill should be considered by a Select Committee, as there were some provisions in the Bill which might be improved on further consideration.

The motion was agreed to, and the Bill referred to a Select Committee consisting of the Hon'ble Mr. O'Kinealy, the Hon'ble Rajah Pramatha Natha Roy, the Hon'ble Baboo Mohini Mohun Roy, and the mover, with instructions to report in three weeks.

### MUNICIPAL LATRINES.

The HON'BLE MR. MACKENZIE, in moving for leave to introduce a Bill to provide for the cleansing and erection of latrines in first class municipalities, said that no sanitary question had excited more interest of late years, both at home and in India, than that of the innocuous disposal of the refuse of great towns; and nowhere had this subject received more attention than in Calcutta and in the deliberations and proceedings of the Bengal Government. He might appeal to the large sums that had been spent in this town upon sanitation and drainage, to the discussions that had repeatedly taken place in this Council Chamber and in the neighbouring Hall, and to the many able articles appearing from time to time in popular and scientific journals regarding the hygiene of the metropolis, as proving that public opinion, here at any rate, was fully alive to the importance of following sound principles and sound practice in connection with this most vital matter. To stimulate and assist this public opinion, the advice of the Government and the aid of this Council had never been wanting.

They were all of them familiar with the vivid pictures of the loathsome condition of many parts of this town, furnished quarterly by the graphic pen of the Health Officer, and they knew that, in spite of all that had been done, there was still a vast deal more to do even within the limits of Calcutta itself. But all the money, care, and trouble already spent in Calcutta, all the protracted oratory of their municipal meetings, and all the resolutions of the local Government, would be entirely thrown away if the systems of improved conservancy, sanctioned by experience, or recommended by sanitary science, were not extended to the suburbs which hemmed them in upon every side.

The municipalities of Howrah and of Alipore had for some years past felt and recognised their obligations in this respect. In the Suburban Municipality, which had had the services of an energetic Vice-Chairman and the advice of a strong and admirably selected board of European and Native Commissioners, really considerable advances had been made towards the introduction of the rational system of disposing of night-soil. In 1872-73. Mr. Sterndale, the Vice-Chairman, drew attention to the appalling fact that probably not more than one-half of the night-soil of the suburbs was then passing through the depôts for legitimate disposal, the rest being thrown broadcast on waste lands and gardens, or left to seethe and fester in the old-fashioned privies of native houses. In 1873-74 the Commissioners, moved by Mr. Sterndale's representations, introduced a modification of the Halalcore system of Bombay, under which those house-holders who wished it might have their privies regularly cleansed by municipal sweepers, they paying to the municipality fees for this service. The idea of the Commissioners apparently was to provide an efficient conservancy staff which it was optional with the house-holders to employ, and then to prosecute steadily under the law those who, declining to take advantage of the public sweepers, failed to make proper arrangements for themselves.

The popularity of this system had been in one respect unquestionable. Out of 40,000 houses in the suburbs, the owners or occupiers of 15,000 had applied for the services of the municipal staff. Representing as these did the better class of the inhabitants, it might, he thought, be legitimately inferred

that the people of the suburbs were fully convinced of the necessity of a duly organised system of public scavenging. But, while ready enough to demand the services of the municipal staff, when it came to paying the municipal bills there was at present a singular backwardness on the part of some of those who benefit. Mr. Sterndale writes—

“Little difficulty was experienced on the whole in inducing the people to accept the services of the municipal establishment; but when, on the other hand, it came to paying for it, the case was reversed; it was found in the first place that if we waited for *applications, accompanied by payment in advance*, as contemplated by the rules, the whole thing fell to the ground, no one would apply, and in fact it was found necessary to make a regular house to house assessment.

“The bills then had to be collected by the expensive machinery of an establishment paid either by salary or commission, and on payment being refused, there was no direct means of enforcing it. Under such circumstances the executive had to resort to the roundabout course of stopping the services of the nightmen, and then prosecuting the house-holder for keeping night-soil in his privy—a most cumbersome and unsatisfactory procedure.

“The fact that there were 569 prosecutions necessary during the year shows how unsatisfactory this has been.”

He states the principal objections to the voluntary system in the following way:—

- “1st.—No proper assessment being possible, no reliable estimate of probable receipts can be framed; the department has therefore to work to a great extent in the dark. A proof of this is the fact that last year we did not reach the estimated receipts by over Rs. 13,000. The Council will see that the Commissioners must employ and pay for a staff adequate to do the work of all those who consent to employ them. If afterwards the house-holders do not pay, the Commissioners are so much out of pocket.
- 2nd.—No efficient check or supervision can be had over the assessing or collecting agency, nor can the Commissioners be secured against loss, or the rate-payers against extortion.
- 3rd.—The labour of the department is much increased, viz. by the fact of its having to deal with houses scattered over a vast area, instead of taking up all the houses in blocks as they occur, thereby entailing loss of power.
- 4th.—A larger staff of mehters is employed than would be necessary in proportion to the number of houses, were contiguous houses served by the department.
- 5th.—The rates fall heavier now on the poor than would be the case were a system of rate by valuation possible.”

In view of these facts and arguments, and after appointing a special Committee to go into the question carefully and in detail, the Municipal Commissioners of the suburbs, in meeting assembled, resolved that the Government should be asked to pass an Act making the payment of fees for the removal of night-soil compulsory; that this removal should be effected throughout the suburbs by an organised establishment under municipal control; and that the fees would best be levied by means of rates realisable in the same manner as the municipal house-rate, a capitation fee being substituted in the case of public institutions, barracks, schools, and factories.

At the same time, to meet the case of those persons who were too poor to pay the rate, and to ensure the closing of the thousand of filth-pits which now pollute the air and poison the soil, the Commissioners made proposals for the provision of a complete system of public latrines, to be open to the public free of charge as soon as the night-soil rate came into operation. They held that owners of *bustees* might fairly be called upon to supply sites for such latrines, just as owners of house-property in England were compelled to provide sufficient accommodation of a similar kind. The Commissioners also took into consideration the question of the disposal of the night-soil. At present they paid to the Calcutta Municipality Rs. 19,200 per annum for the privilege of shooting this into the Calcutta sewers. The insufficiency of flushing power provided by the Calcutta Corporation had made suburban night-soil a serious nuisance to those quarters of the town to which it was brought for disposal in the sewers. The Commissioners proposed now to discontinue their payments to the town, and, in accordance with the best sanitary advice, to introduce the trench system of conservancy, in the hope of eventually re-paying themselves with interest from a municipal farm.

While the Suburban Commissioners were incubating the proposals of which he had given a resumé, the Howrah Municipality was also being deeply stirred by precisely similar discussions. Here, however, there had been no

attempt to introduce the Halalcore system even with optional payments. The house-holders were constantly coming to the Commissioners and complaining of the annoyance and expense caused them by the night mehters. But these men were not in any way under the Commissioners' control, and the Commissioners could under the law do nothing to remedy the evils complained of. It was stated that these sweepers, having a monopoly of the work, not only charged extortionate fees, but frequently neglected their work entirely, to the inconvenience of their employers and the detriment of the public health. It was an almost every-day occurrence for house-holders to be prosecuted and fined for permitting night-soil to remain on their premises for more than 24 hours, simply because they could not get the men to come and remove it. It was even a common complaint among the people that the sweepers deposited night-soil clandestinely in the privies, and then laid informations, or threatened to do so, in order to extort money. The Commissioners of Howrah, therefore, on their part also came up to Government asking for a law similar to that suggested by the Commissioners of the suburbs.

The present Bill was designed to meet the demands of these municipalities. It was simply an enabling measure which no municipality need adopt unless it chose, but which any first-class municipality might introduce if its provisions suited them. The maximum rate leviable on small holdings had been limited to Rs. 3 per annum, and the highest fee chargeable on any one holding would be Rs. 480 per annum, save in those cases where a larger sum was already being paid to the Commissioners by special agreement. This proviso was to meet the case of the railway premises in Howrah, for cleansing which the Commissioners already received an allowance of Rs. 3,000 per annum. The size of these premises was so exceptional as to warrant an exceptional rate of charge.

The Suburban Commissioners were very urgent that this Bill should become law without a day's unnecessary delay. They had counted on it in the preparation of their budget statements, and had incurred considerable expense in anticipation of its passing. He would, therefore, if the Council granted leave to bring in this Bill, have to ask His Honor to suspend the rules, in order that the necessary preliminary steps might be taken, and the Bill be referred to a Select Committee for consideration of its details.

Leave being granted for the introduction of the Bill, HIS HONOR THE PRESIDENT declared the rules for the conduct of business suspended.

The HON'BLE MR. MACKENZIE next moved that the Bill be read in Council.

The motion was agreed to, and the Bill referred to a Select Committee, consisting of the Hon'ble Kristodas Pal, the Hon'ble Isser Chunder Mitter, and the mover, with instructions to report in three weeks.

### SETTLEMENT OF PRIVATE ESTATES.

The HON'BLE BABOO KRISTODAS PAL moved for leave to introduce a Bill to provide for the settlement of lands on the application of landlords or ryots. He said that in January last, when his hon'ble friend opposite introduced the Bill to define and limit the powers of settlement officers in respect to the enhancement of rent, BABOO KRISTODAS PAL ventured to make the following remarks :—

"The object of the Bill was to reduce litigation, and he thought that the provisions of the Bill might fitly be extended to Wards Estates and Attached Estates in the hands of Government, inasmuch as these estates were practically administered by the Collector during the minority of the ward or during attachment. He would also suggest that where the zemindar should be willing to avail himself of the agency of the Revenue authorities in making settlement, he should be allowed the benefit of such agency, provided he paid the cost. In all these cases the right of the ryot to contest the decision of the settlement officer in the civil court should of course be allowed."

His hon'ble friend afterwards wrote to him to say that the Government was willing to accept his suggestion, but that a separate Bill should be introduced to give effect to it; this was the origin of the Bill which he proposed to introduce.

His object was to proceed on the lines of the Settlement of Government Estates' Bill, which had been passed by this hon'ble Council, and which now awaited the assent of His Excellency the Viceroy. The proposed Bill would be

simply permissive. It would rest with the zemindars and ryots to avail themselves of the machinery to be provided by this Bill, should they like to do so. In one respect the Bill would take a broader ground than its predecessor; for, under the latter, the Government as the landlord would be alone competent to move the machinery; whereas under the former, both zemindar and ryot would be at liberty to apply for the enforcement of the law. Then in the case of the Government the settlement officer would be the servant of Government; whereas in the case contemplated by this Bill, the settlement officer would be a third party, wholly unconnected with the landlord or tenant. The principles on which the settlement was to be made must be governed by the provisions of Bengal Act VIII of 1869. These provisions were in his humble opinion vague, uncertain, and in some respects unworkable; but he did not propose to interfere with those provisions, as the Government had not yet made up its mind respecting the principles on which enhancement should be made. Keeping, then, within the four corners of Act VIII of 1869 as to the principles on which enhancement and abatement of rent should be made, this Bill would provide for a sort of amicable settlement of rent disputes with the intervention of the revenue officer. If a zemindar or ryot should feel dissatisfied with his decision, either party would be at liberty to institute a regular suit in a civil court for the reversal of that decision. But his own impression was, and he might state that it was shared by those, both officials and non-officials, who were competent to form an opinion on the subject, that the intervention of the Deputy Collector in an amicable spirit might in many cases throw oil over troubled waters, and thus prevent harassing litigation in the civil court, which was ruinous to both the landlord and tenant.

He did not wish to occupy the time of the Council on the present occasion by describing the details of the Bill, which would be very few, but he would notice them at the next stage of the Bill. At present he simply moved for leave to bring in the Bill.

The HON'BLE MR. REYNOLDS said that as this measure was not yet before the Council, he did not intend to make any remarks upon it at present. But he wished to say that the Bill appeared to him to be likely to supply a real want and to inaugurate an important reform, and he felt sure that any officer of the Government whom the hon'ble mover might wish to consult would readily give his advice or assistance in settling the details of the measure. It appeared to him also that it was a fortunate thing that the conduct of this measure should have been entrusted to an hon'ble member of the Council who enjoyed the confidence of the zemindars, and was at the same time well known for his strenuous advocacy of the rights of the ryots.

HIS HONOR THE PRESIDENT observed that in putting the motion to the Council he would take the opportunity of saying that the principle of the Bill was one which had his entire concurrence. He thought it did hold out some hope of affording means for the summary adjustment of differences which so long existed between zemindars and ryots regarding the enhancement and remission of rent, and so far as it was in his power he would have much pleasure in supporting the Bill which had been introduced by the hon'ble member. He had not seen the details of the Bill, but the principle which had been enunciated seemed fair to both parties, and was deserving of every support.

The motion was then agreed to.

The Council was adjourned to Saturday, the 30th instant.



## RETURNS OF JOINT-STOCK COMPANIES FOR THE YEAR 1877.

## I.

*Statement showing Joint Stock Companies registered during 1877.*

No.	Date of registration.	Names of Joint Stock Companies registered.	Amount of nominal capital in rupees.
			Rs.
1	5th January 1877	Damdin Tea Company, Limited	55,000
2	5th "	Dehing Company, Limited	10,00,000
3	23rd "	Sonai Tea Company, Limited	1,80,000
4	12th March "	Nynce Tal Brewery Company, Limited	2,00,000
6	23rd "	Dhunsiri Tea Company, Limited	1,60,000
6	10th April "	East Bengal Mercantile Company, Limited	20,000
7	19th "	Empress of India Cotton Mills Company, Limited	6,25,000
8	2nd May "	Goodhope Tea Company, Limited	1,00,000
9	14th "	Cinnatoolah Tea Company, Limited	2,50,000
10	7th June "	Oriental Opera Company, Limited	6,000
11	16th July "	Hotwar Tea Company, Limited	55,000
12	22nd September "	Ballaghutta Company, Limited	5,00,000
13	28th "	Kamerhatty Company, Limited	8,00,000
14	27th December "	Bogra Trading Company, Limited	20,000
Total			39,52,000

## II.

*Statement of Joint Stock Companies which have increased capital during 1877.*

No.	Original capital.	Names of Companies.	Date of registration.	Amount of increased capital.
	Rs.			Rs.
1	8,00,000	Bengal Iron Works Company, Limited	11th January 1877	2,00,000
2	64,000	Doonars' Tea Company, Limited	13th "	20,000
3	20,000	Jessore Loan Office, Limited	28th April "	20,000
4	2,00,000	Cocheela Tea Company, Limited	24th May "	1,00,000
5	7,500	Assensole East Indian Railway Co-operative Society, Limited	19th November "	2,500
Total				3,42,500

## III.

*Statement showing Joint Stock Companies wound up and transferred during 1877.*

No.	Date of original registration.	Names of Companies.	Date on which notice was filed.	Nominal capital.
		<i>Wound up.</i>		Rs.
1	15th February 1865	Dehing Company, Limited	5th January 1877	20,00,000
2	4th June 1874	Bengal Jute Pressing (Bremton's Patent) and Manufacturing Company, Limited	21st June 1877	6,00,000
3	28th September 1875	Bengal Freemasons' Hall Building Association, Limited	11th September 1877	1,50,000
		<i>Transferred.</i>		
1	12th March 1877	Nynce Tal Brewery Company, Limited	22nd December 1877	2,00,000
Total				29,50,000

## IV.

*List of Joint Stock Companies existing on the 31st December 1877.*

No.	Names of Companies.	Nominal capital.
		Rs.
1.	Arcuttipore Tea Company, Limited	3,00,000
2.	Adulpore Terai Tea Company, Limited	1,10,000
3.	Assensole East Indian Railway Co-operative Society, Limited	10,000
4.	Amicable Tea Company, Limited	3,00,000
5.	Agricultural Phosphate Company, Limited	1,00,000
6.	Asiatic Jute Company, Limited	4,00,000
7.	Ambeckie Tea Company, Limited	3,75,000
8.	Bengal Coal Company, Limited	22,00,000
9.	Bengal Uncovenanted Service Medical Hall Association, Limited	50,000
10.	Bengal Tea Company, Limited	10,00,000
11.	Balasun Tea Company, Limited	2,00,000
12.	Bishnauth Tea Company, Limited	11,00,000
13.	Burmah Steam Tug Company, Limited	3,00,000
14.	Bowreah Cotton Mills, Limited	18,00,000
15.	Borsillah Tea Company, Limited	1,10,000
16.	Budge-Budge Jute Mills Company, Limited	18,00,000
17.	Buxar Co-operative Society, Limited	4,000

No.	Names of Companies.	Nominal capital. Rs.
18.	Burrissal Loan Office, Limited ...	20,000
19.	Burkhollah Tea Company, Limited ...	2,70,000
20.	Baree Tea Company, Limited ...	1,50,000
21.	Bengal Iron Works Company, Limited ...	10,00,000
22.	Bogra Loan Office, Limited ...	20,000
23.	Barrakar Coal Association, Limited ...	1,50,000
24.	Bengal Native Joint Stock Company, Limited ...	10,000
25.	Bengal Chemical Works, Limited, The ...	50,000
26.	Balliaghattach Company, Limited ...	5,00,000
27.	Bogra Trading Company, Limited ...	20,000
28.	Calcutta Docking Company, Limited ...	12,18,000
29.	Central Cachar Tea Company, Limited ...	10,00,000
30.	Calcutta Landing and Shipping Company, Limited ...	2,20,000
31.	Calcutta Central Press Company, Limited ...	75,000
32.	Chandypore Tea Company, Limited ...	2,50,000
33.	Calcutta Opera House Company, Limited ...	40,000
34.	Cutleecherra Company, Limited ...	2,70,000
35.	Central Terai Tea Company, Limited ...	4,00,000
36.	Chitpore Screw Company, Limited ...	75,000
37.	Cocheela Tea Company, Limited ...	3,00,000
38.	Calcutta Hydraulic Press Company, Limited ...	1,70,000
39.	Colonial Tea Company, Limited ...	3,00,000
40.	Chitpore Hydraulic Press Company, Limited ...	4,00,000
41.	Chota Nagpore Tea Company, Limited ...	2,50,000
42.	Cossipore Hydraulic Press Company, Limited ...	4,00,000
43.	Carew and Company, Limited ...	16,00,000
44.	Cachar Native Joint Stock Company, Limited ...	1,00,000
45.	Cinnatollah Tea Company, Limited ...	2,50,000
46.	Dehra Doon Tea Company, Limited ...	20,00,000
47.	Durrung Tea Company, Limited ...	5,00,000
48.	Dehing Company, Limited ...	10,00,000
49.	Durrabhar Company, Limited ...	60,000
50.	Darjeeling Terai Tea Company, Limited ...	1,00,000
51.	Dessai and Parbuttia Tea Company, Limited ...	1,80,000
52.	Dedarkoshi Tea Company, Limited ...	1,00,000
53.	Dunbar Cotton Mills, Limited ...	10,00,000
54.	Doors' Tea Company, Limited ...	84,000
55.	Deshia Bastra Byabasahi Company, Limited ...	10,000
56.	Damdin Tea Company, Limited ...	55,000
57.	Dhunsiri Tea Company, Limited ...	1,60,000
58.	East India Tea Company, Limited ...	10,00,000
59.	Eastern Cachar Tea Company, Limited ...	7,00,000
60.	Equitable Coal Company, Limited ...	8,00,000
61.	Eastern Steam Tug Company, Limited ...	3,00,000
62.	East Bengal Mercantile Company, Limited ...	20,000
63.	Empress of India Cotton Mills Company, Limited ...	6,25,000
64.	Furreedpore Loan Office, Limited ...	15,000
65.	Fort Gloster Jute Manufacturing Company, Limited ...	14,00,000
66.	Great Eastern Hotel, Wine and General Purveying Company, Limited ...	15,00,000
67.	Goosery Cotton Mills Company, Limited ...	10,00,000
68.	Gowhatty Tea Company, Limited ...	4,00,000
69.	Gielle Tea Company, Limited ...	5,00,000
70.	Grob Tea Company, Limited ...	6,00,000
71.	Gourypore Company, Limited ...	12,00,000
72.	Goodhope Tea Company, Limited ...	1,00,000
73.	Howrah Docking Company, Limited ...	8,00,000
74.	Hong-Kong and Shanghai Banking Corporation ...	1,12,50,000
75.	Hoobnegoorie Tea Company, Limited ...	4,00,000
76.	Holta Tea Company, Limited ...	3,50,000
77.	Howrah Mills Company, Limited ...	14,00,000
78.	Hoobnaree Tea Company, Limited ...	1,20,000
79.	Hotewar Tea Company, Limited ...	56,000
80.	India General Steam Navigation Company, Limited ...	29,00,000
81.	Indian Terai Tea Company, Limited ...	1,50,000
82.	Jelalpore (Cachar) Tea Company, Limited ...	1,60,000
83.	Jokai (Assam) Tea Company, Limited ...	3,00,000
84.	Joonktoolee Tea Company, Limited ...	80,000
85.	Jhecreeghat Tea Company, Limited ...	2,20,000
86.	Jessore Loan Company, Limited ...	40,000
87.	Jamalpore Trading Company, Limited ...	50,000
88.	Joseph and Sons, Limited ...	20,000

No.	Names of Companies.	Nominal capital. Rs.
89.	Kunchunpore Tea Company, Limited ...	5,00,000
90.	Kurseong and Darjeeling Tea Company, Limited ...	8,00,000
91.	Kuttal Tea Company, Limited ...	1,00,000
92.	Kurseong and Terai Tea Company, Limited ...	1,00,000
93.	Kallacherra Tea Company, Limited ...	2,75,000
94.	Kamarhatty Company, Limited ...	8,00,000
95.	Labour Transport Company, Limited ...	1,00,000
96.	Lackatoorah Tea Company, Limited ...	2,25,000
97.	Muttack Tea Company, Limited ...	4,00,000
98.	Menacherra Tea Company, Limited ...	8,00,000
99.	Moran Tea Company, Limited ...	6,00,000
100.	Majagram Tea Company, Limited ...	2,00,000
101.	Mymensingh Loan Office, Limited ...	50,000
102.	Merchants' Steam Tug Company, Limited ...	2,20,000
103.	Mothola Tea Company, Limited, The ...	1,50,000
104.	Medla Tea Company, Limited ...	1,50,000
105.	Mim Tea Company, Limited ...	1,60,000
106.	Mahanuddy Tea Company, Limited ...	1,00,000
107.	Moonsheegunge Loan Office, Limited ...	20,000
108.	Mymensingh, Great Eastern Bengal Exchange Com- pany, Limited ...	20,000
109.	Nasmyth's Patent Press Company, Limited ...	3,20,000
110.	New Mutual Tea Company, Limited ...	1,20,000*
111.	Nutwanpore Tea Company, Limited ...	4,00,000
112.	New Beerbhoom Coal Company, Limited ...	7,20,000
113.	New Fallodhi Tea Company, Limited ...	2,00,000
114.	Nauthpore Indigo Company, Limited ...	1,50,000
115.	Nasirabad Loan Office, Limited ...	20,000
116.	North-Western Cachar Tea Company, Limited ...	2,30,000
117.	Naraingunge Trading Company, Limited ...	20,000
118.	Oriental Jute Manufacturing Company, Limited ...	19,00,000
119.	Oriental Opera Company, Limited ...	6,000
120.	Pankabaree Tea Company, Limited ...	2,50,000
121.	Planters' Stores Company, Limited ...	1,00,000
122.	Pattariah Tea Company, Limited ...	2,00,000
123.	Phoenix Tea Company, Limited ...	6,00,000
124.	Panbaree and Koorkooriah Tea Company, Limited...	1,50,000
125.	Ramghur Company, Limited ...	10,00,000
126.	R. Scott Thomson and Company, Limited ...	5,00,000
127.	Raneegunge Coal Association, Limited ...	9,00,000
128.	Ramkristopore Press Company, Limited ...	1,30,000
129.	Riverside Press (Watson's Patent) Company, Limited	3,00,000
130.	River and Coasting Steam Navigation Company, Limited ...	3,50,000
131.	Rajabaree Tea Company, Limited ...	2,00,000
132.	Rustomjee Twine and Canvas Factory Company, Limited ...	8,00,000
133.	Rungli Rungliot Tea Company, Limited ...	1,12,000
134.	Rajmehal Stone Company, Limited ...	2,50,000
135.	Sylhet Tea Company, Limited ...	1,50,000
136.	Soom Tea Company, Limited ...	3,00,000
137.	Singell Tea Company, Limited ...	6,25,000
138.	Singbulli and Murwah Tea Company, Limited ...	4,00,000
139.	Seobpore Jute Manufacturing Company, Limited ...	15,00,000
140.	Springside Tea Company, Limited ...	1,68,000
141.	Strand Bank Press Company, Limited (Watson's Patent), The ...	2,50,000
142.	Sungoo River Tea Company, Limited ...	2,00,000
143.	Sudden Tea Company, Limited ...	1,25,000
144.	Second Mutual Tea Company, Limited ...	2,35,500
145.	Sapakati Tea Company, Limited ...	88,000
146.	Sylhet Cultivating Company, Limited ...	20,000
147.	Sahar Sheopore Loan Office, Limited ...	20,000
148.	Sonai Tea Company, Limited ...	1,60,000
149.	Tukvar Company, Limited ...	12,00,000
150.	Tipperah Loan Office, Limited ...	1,00,000
151.	Temdarreah Tea Company, Limited ...	1,35,000
152.	Tingling Tea Company, Limited ...	1,50,000
153.	Teesta Valley Tea Company, Limited ...	3,50,000
154.	Watson's Patent Press Company, Limited ...	3,00,000
Total ...		7,55,46,500

V.

## Comparative Statement showing the nominal capital of Joint Stock Companies registered, &amp;c., from 1857 to 1877.

YEAR.	Registered nominal capital.		Increase of capital.		Total.		Capital not paid up.		Reduction of capital.		Number of companies wound up.		Number of companies transferred to North-Western Provinces.		Number of companies transferred to the Punjab.		Number of companies registered in Bangalore.		Number of companies defunct.		Total.		
	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	
1857	2	16,00,000			2	16,00,000					2												
1858	9	45,05,000			9	45,05,000					2	4,20,000									2	1,20,000	
1859	14	75,50,500			14	81,16,500					1	6,00,000									1	6,00,000	
1860	13	50,50,500			12	51,55,500			3,60,000		3	2,15,000									3	5,75,000	
1861	15	58,45,000			15	60,07,000			2,00,000		3	4,50,000									3	6,60,000	
1862	12	59,61,000			12	67,35,500					4	17,84,000									4	17,84,000	
1863	25	3,05,20,000			25	3,39,85,500					8	70,25,000									8	74,15,600	
1864	31	1,13,23,900			31	1,78,00,900					7	33,95,000									7	35,70,000	
1865	25	6,19,98,000			25	6,33,18,000					11	30,96,500									11	3,16,15,000	
1866	10	11,44,000			10	1,98,90,000					20	2,30,30,000									20	2,52,30,000	
1867	11	18,50,000			11	22,10,000					15	3,64,25,000	12	38,86,000							5	9,25,000	
1868	2	11,20,000			2	11,20,000					19	73,92,500	18	46,61,900								37	1,20,56,400
1869	8	1,17,00,000			8	12,00,000					8	24,06,400										8	24,06,400
1870	2	4,15,000			2	4,15,000			25,000		3	1,25,00,000	1	60,000								4	1,25,55,000
1871	7	15,33,000			7	15,73,000					4	16,75,000										4	16,75,000
1872	13	34,10,000			13	36,80,000																	
1873	28	85,06,000			28	1,00,37,000																	
1874	31	1,12,70,000			31	1,50,78,000					4	20,33,000									4	26,38,000	
1875	19	57,16,500			19	59,60,000					7	6,29,40,000									7	2,69,40,000	
1876	19	31,67,000			19	37,03,000					9	25,05,000									3	3,60,000	
1877	14	39,52,000			14	42,04,500					3	14,60,000									4	3,66,000	
											3	27,50,000	1	2,00,000								4	20,50,000
Total	331	18,92,45,400	331	22,08,23,400		5,85,000	134	13,51,17,400	29	49,23,900	12	33,96,000	1	10,00,000	13	18,31,000	150	15,12,76,000	154	7,55,46,500			

Capital of the existing companies.

Number existing in the Calcutta Register.

VI. Statement showing in detail the number, nature, and duration of Joint Stock Companies registered since 1857.

YEAR IN WHICH REGISTERED.	Indigo Companies.	Tea Companies.	Jute Mill Companies.	Cotton Mill Companies.	Newspaper and Printing Presses.	Screw and Pressing Companies.	Mineral Companies.	Coal Companies.	Iron Companies.	Copper Companies.	Navigating Companies.	Tug Companies.	Docking Companies.	Banking and Loan Companies.	Agricultural Companies.	Ice Companies.	Chemists and Druggists.	Stone Companies.	Auction Companies.	Hotels.	Salt.	Theatre Companies.	Labour Companies.	Flour Mill Companies.	General.	Total.	Of which wound up or otherwise defunct.	Number of companies in existence in the Calcutta Register.	Literary and Scientific Society.	Number of companies registered prior to 1857.	Total companies registered to end of 1877.
	A.	B.	C.	D.																											
1857	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1858	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1859	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1860	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1861	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1862	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1863	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1864	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1865	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1866	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1867	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1868	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1869	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1870	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1871	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1872	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1873	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1874	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1875	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1876	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1877	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	4	134	15	5	11	21	1	7	2	1	8	12	3	28	4	1	5	2	1	45	334	180	154	14	14	363	14	14	363		
Deduct number wound up or otherwise defunct	3	50	7	1	10	13	1	2	1	1	5	9	1	18	2	1	2	1	1	11	2	5	1	1	83	190	...	...	...	...	...
Balance in existence	1	84	8	4	1	8	...	5	1	...	3	3	2	10	2	...	3	1	...	3	...	2	1	...	12	154	...	...	...	...	...

VII.

*Comparative Statement showing the number of Companies registered, and other documents filed and fees paid therefor, during the years 1876 and 1877.*

	1876.			1877.		
	No.	Fees.		No.	Fees.	
		Rs.	A.		Rs.	A.
Companies registered (section 6) ...	20	2,635	0	15	2,955	0
Articles of Association registered (section 14) ...	15	75	0	12	60	0
Notice of situation of registered office (sections 38 and 39) ...	22	110	0	12	60	0
Ditto change of situation of registered office ( ) ...	8	40	0	28	140	0
Ditto increase of capital (section 33) ...	6	315	0	4	230	0
Copies of Special Resolutions (section 53) ...	36	180	0	37	185	0
Application for search (section 19) ...	36	36	0	34	34	0
Attested copies granted (section 190) ...	17	49	2	7	14	0
Section 35 ...	...	...	...	1	5	0
Miscellaneous receipts ...	1	2	0	1	5	0
Total ...	...	3,442	2	...	3,688	0

VIII.

*Statement showing the number of Papers filed and the number of Papers returned for correction and revision during 1877.*

Description of document.	Number of papers filed.	Number of papers returned for correction and revision.
Memorandum of Association under section 8	15	...
Articles of Association " " 14	12	1
Notice of situation and change of office under section 39	36	4
Balance sheet " " 49	150	30
Summary of capital and list of shareholders " " 25	147	60
Special Resolutions " " 53	32	5
Total ...	392	100

*Statement showing Literary, Scientific, and Charitable Societies registered during 1877.*

No.	Name of Society.	Date of registration.
1.	Albert Institute	28th April 1877

APPENDIX I.

*Names of Joint Stock Companies whose Offices are situated out of Calcutta.*

1. Assensole East Indian Railway Co-operative Society, Limited	...	Assensole.
2. Burmah Steam Tug Company, Limited	...	Moulmein.
3. Buxar Co-operative Society, Limited	...	Buxar.
4. Burrisal Loan Office, Limited	...	Burrisal.
5. Bogra Loan Office, Limited	...	} Bogra.
6. Bogra Trading Company, Limited	...	
7. Cachar Native Joint Stock Company, Limited	...	Cachar.
8. Deshia Bastra Bybasahi Company, Limited	...	Dacca.
9. East Bengal Mercantile Company, Limited	...	Naraingunge.
10. Furreedpore Loan Office, Limited	...	Furreedpore.
11. Jessore Loan Company, Limited	...	Jessore.
12. Jamalpore Trading Company, Limited	...	} Mymensingh.
13. Mymensingh Loan Office, Limited	...	
14. Moonsheegunge Loan Office, Limited	...	Moonsheegunge.
15. Mymensingh Great Eastern Bengal Exchange Company, Limited	...	} Mymensingh.
16. Nussereabad Loan Office, Limited	...	
17. Naraingunge Trading Company, Limited	...	Dacca.
18. Oriental Opera Company, Limited	...	Dukhinnessur, 24-Pergunnahs.
19. Planters' Stores Company, Limited	...	Debrooghur.
20. Sylhet Cultivating Company, Limited	...	Sylhet.
21. Sahar Sheopore Loan Office, Limited	...	Mymensingh.
22. Tipperah Loan Office, Limited	...	Tipperah.

CALCUTTA,

The 13th February 1878.

GOPENDRA KRISHNA,

Offg. Registrar of Joint Stock Companies.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 23rd March 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.	
BENGAL.				
Western Districts.				
BUDDHAN DIV.	1 Burdwan, Mar. 23 '78	0.92	The rain has been generally beneficial to the few growing crops, and has also facilitated ploughing. Cholera is prevalent in some parts of the district, and a few cases of small-pox have been reported.	
	Raneegunge ...	0.28		
	Bond-Bond ...	1.29		
	Jehanabad ...	1.73		
	Culna ...	1.10		
	Cutwa ...	0.40		
2 Bankoora, „ 23 „	2.86	There were severe thunder-storms on the 16th, 17th, and 18th. It is said that one inch of rain was measured in ten minutes on the 17th. Weather cool since the rain. The rain, though heavy, instead of doing any injury to the crops on the ground, has rather done them good. Ploughing has begun on the softened soil.		
3 Beerbhoom, „ 23 „	0.32	Weather—stormy at the beginning of the week; now settled fair and warm; the hot weather has begun. There is practically nothing to report on the state and prospects of the crops at this time of year.		
4 Midnapore, „ 23 „	1.4	Occasional thunder-storms. Weather remarkably cool for the time of year. No crops on the ground.		
5 Hooghly, „ 23 „	0.54	Weather—warm. Slight rain on the nights of the 17th and 19th. The land is being ploughed for the <i>aus</i> sowings. Indigo and sesamum are being sown. The price of rice has greatly risen. Coarse rice is selling at 10 seers per rupee. A few cases of cholera and small-pox have been reported from the Hooghly and Chinsurah Municipality and from the village of Tribani.		
Howrah, „ 25* „	0.44	Weather—seasonable, except that the south wind does not yet blow regularly every night. The recent rain has enabled the ryots to prepare some ground for the next crop, and has done good to the <i>boro dhan</i> .		
Central Districts.				
PERSIDDER DIV.	6 24-Pergunnahs, Mar. 23 '78	0.58	Several nights were stormy and rainy; latterly the weather was clear and cool. State and prospects of the crops are good, but more rain is desired. Cholera is reported from Busseerhat, Baraset, and all the thanas of Diamond Harbour.	
	7 Nuddea, „ 23 „	0.52		
	8 Jessore, „ 23 „	Nil		
	Jhenidah ...	0.12		
Magoorah ...	0.02			
9 Moorsshedabad, „ 23 „	0.03	Weather—seasonable. The <i>rubbee</i> harvest is nearly over. The yield has not been as good as one as was expected in thana Sooty, and one or two other places. Ploughing is going on for <i>amun dhan</i> . Cholera is reported from four thanas.		
RAJSHAHYE AND COOCH BEHAR DIV.	10 Dinagepore, Mar. 22 '78	0.89	There was rain on the 16th and 17th, accompanied with hail. Weather comparatively cool. The ground is being prepared for the spring crops.	
	11 Rajshahye, „ 23 „	Nil		
				Heat in the day is still increasing. Nights are cool. Slight rain has been reported from parts of the district, but not enough to do any good. Heavy hail-storms have been reported from Mandah, Baghmara, Bandaikharan and Panchoopore. In Mandah four men have been killed, many trees and houses have been blown down, and the standing crops have been injured. The reaping of the <i>rubbee</i> crops and the sowing of <i>aus dhan</i> , <i>til</i> , and jute are still going on. Rice is still very dear. Common rice is selling at 16 kutchas seers per rupee. Cholera has almost disappeared. A few cases of small-pox have been reported.
	12 Rungpore, „ 22 „	0.40		
	Bagdogra ...	0.05		
	Gaibanda ...	0.74		
Kurigram ...	0.17			
13 Bogra, „ 23 „	Nil	Weather—dry and seasonable. There was a little drizzling rain on the 16th and 17th. It has caused some damage to the mango blossoms. No crops on the ground at present in the <i>khair</i> land. What little there is in the <i>poli</i> is reported to be doing fairly well. The price of rice in the district varies from 19 to 22 kutchas seers the rupee. This high price is owing to the large quantity exported, and not to a bad harvest. A few cases of cholera have been reported from Shurinkandi and Panchbibi. Some fever has been reported from Badalgachi.		

\* Report of 23th shows rainfall during the week ending 23rd.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.	
BENGAL.—(Continued.)				
Central Districts.—(Contd.)				
RAJSHAHYE & COOCH BEHAR DIV.—(Contd.)	14	Pubna, Mar. 23 '78	0.51	There was some slight drizzling rain during the week in most parts of the district, but it has been of no service in facilitating cultivation. Nothing particular to report on the state and prospects of the crops, but rain is much wanted. The price of rice is rising, and indeed it is already very high.
	15	Darjeeling, " 22 "	Nil	There has been no rain, and the weather has become somewhat warmer, but hazy withal. The sowing of <i>bhadoi</i> rice has been commenced on some of the low lands. The minor crops in the hills are doing well.
	16	Julpigoree, " 23 "	Nil	Weather—warmer, though still pleasant. Tobacco is being cut with an average outturn. No change as regards the other crops is to be noticed.
	Cooch Behar, " 22 "	0.85	The heat is daily increasing. The nights are still cool. There were some showers of rain with hail and high wind in the beginning of the week. Tobacco leaves are being gathered in some places. The rain has done no good to this crop; on the other hand, the hailstones which fell on the night of the 14th instant have injured the leaves. The prospects of <i>cheena</i> and <i>kaun</i> continue good. <i>Bitree dhan</i> is being sown. Public health is good.	
Mathabhanga	1.13			
Meckligunge	0.38			
Eastern Districts.				
DACCA DIV.	17	Dacca, Mar. 23 '78	0.03	Weather—seasonable, but rapidly becoming much warmer. State and prospects of the crops are very favourable. <i>Aus</i> paddy is being sown. The <i>rubbee</i> crops give good promise.
	18	Furreedpore, " 23 "	Nil	Weather—seasonable and favourable for agricultural work. The price of rice keeps abnormally high. The average rate all over the district is now about 12 seers per rupee. The general state of health is good.
	19	Backergunge, " 21 "	0.13	Weather—fine, with one shower. The state of such crops as are on the ground is satisfactory. There is sickness from cholera and small-pox in some few parts, viz. Perozepore, Gournadi, Meudigunge, and Sharoopkati.
	20	Mymensingh, " 22 "	0.98	Rain has been local and entirely in the eastern portion of the district. Ploughing is general. No crops, except millet, on the ground. Prospects are satisfactory.
	21	Tipperah, " 22 "	Nil	Weather—fine, but occasionally cloudy. <i>Boro dhan</i> and <i>aus dhan</i> promise well. <i>Khesari</i> and <i>kalai</i> have been reaped with a fair average outturn.
Sub-division	0.04			
CHITTAGONG DIV.	22	Chittagong, " 21 "	Nil	Weather—hot. The crops are progressing favourably.
	23	Noakholly, " 21 "	Nil	Weather—seasonable. The cold-weather crops are progressing favourably. Public health is good.
	24	Chittagong Hill Tracts, " 19 "	Nil	Weather—excessively hot throughout the week. The hill people have begun to burn their jooms. The land is being ploughed for <i>aus</i> crop. The gathering of tobacco still continues.
	Hill Tipperah, " 20 "	Nil	Weather—dry and warm. Nothing new to report on the state and prospects of the crops. Cholera prevails at Agartola and in the neighbourhood.	
BEHAR.				
PATNA DIV.	25	Patna, Mar. 23 '78	Nil	Weather—seasonable. The harvesting of the <i>rubbee</i> crops is speedily progressing. Health is good.
	26	Gya, " 23 "	0.41	Weather—stormy and unsettled during the greater part of the week. Maximum thermometer in the shade 97° 6°. The rain has done some damage to crops stored on the <i>khaliyans</i> and high wind has been bad for mangoes. The rain has facilitated ploughing for sugarcane and <i>cheena</i> . <i>Rubbee</i> harvest is going on. The outturn in Aurungabad is estimated at from 8 to 10 munsas.
		Nowada	0.05	
		Aurungabad	0.47	
	27	Shahabad, " 23 "	Slight rain .11.	Weather—clear, with hot westerly wind. The reaping of the <i>rubbee</i> crops is still going on. It is reported that about three-fourths of the crops have been destroyed by insects and blight. Public health is good in most places, though a few cases of small-pox are reported from the Bhuboonah sub-division.
	28	Durbhanga, " 25 '78	Nil	The prospects of the crops are satisfactory.
	29	Mozufferpore, " 23 "	Nil	Weather—warm, with west wind. The <i>rubbee</i> harvest is still going on. Besides poppy and tobacco crops, the <i>rahar</i> has been injured by caterpillars in Hajepore sub-division, and the mango blossoms have been extensively attacked by blight (aphis.)
Seetamarhee	0.12			
30	Sarun, " 23 "	Nil	Weather—cloudy during the first part of the week and then fine. East and west wind. There have been slight showers in the villages within the jurisdiction of Mushruck and Darowli police stations, and Siawan, Kochnaikote, Semaria, and Gootni outposts, causing some damage to <i>rahar</i> and mango blossoms. The poppy does not promise a good outturn. The weighing of poppy leaves has commenced. Wheat, barley, gram, and peas, &c., are still being cut and thrashed with a fair outturn. <i>Cheena</i> is being sown. The indigo sowing is nearly over. The early sowings have not germinated well for want of water. Some of the fields are being re-sown after watering them. Prices show a downward tendency. Public health is good.	
Gopalgunge	0.15.			
31	Chumparan, " 23 "	Nil	Weather—seasonable. The prospects of the crops continue good. The appearance of caterpillars in the <i>rahar</i> is reported from the south-west portion of the district, but not to a very large extent.	



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Continued.)			
BHAGTPORE DIVISION.	32 Monghyr, Mar. 23 '78	0.05	West wind is prevailing. The <i>rubbee</i> crops are being reaped with a good outturn.
	Jamui " " "	0.16	
	33 Bhagulpore, " 23 "	Nil	Weather—hot, with moderate westerly wind. The <i>rubbee</i> crops are gathered in and the yield is good. Prices still range high. Cholera is appearing in many parts of the district.
	34 Purneah, " 23 "	0.40	A heavy shower of rain fell early in the week over the greater part of the district. Weather since has been fair and warm, and cool at night. In one thana the <i>rubbee</i> has suffered a little from a hail-storm; in other parts of the district the crop has been gathered in and shows a fair outturn. The <i>dhadoi</i> and <i>aghani</i> cultivation is progressing.
	Kissengunge " " "	0.10	
35	Maldah, " 23 "	0.8	A storm on the 16th. Weather then fair. State and prospects of the crops are the same as in last week. Prices continue high Cholera is rather less prevalent.
36	Sonthal Pergah, " 24 "	0.10	Weather—getting hot. No change in the state and prospects of the crops since last week.
ORISSA.			
OMISSA DIV.	37 Cuttack Mar. 23 '78	0.75	Weather—cloudy and cool. High winds and storms on the 17th and 18th. There was rain in some parts of the district. The <i>dalua</i> crop is in ear. Cotton is progressing well. Ploughing for <i>saradh</i> has commenced. The crops generally have been much benefited by the rain. Public health is good.
	38 Pooree, " 21 "	0.04	Weather—warm for the season and occasionally cloudy. <i>Dalua rice</i> and <i>moong</i> are being reaped. Cotton plants are growing well, but require rain. Common rice is selling at a rupee for 10½ to 15½ seers, and in the salt tracts for 9½ seers. The high price of grain adds to the difficulties of the people of that part of the country. A few cases of cholera have been reported.
	39 Balasore, " 22 "	1.20	Weather—hot and dry, with occasional storms. Ploughing for the rice crop has commenced. Sporadic cholera exists
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh, Mar. 22 '78	0.69	Weather—very variable. One day fine and bright, the next day stormy and cloudy. The prospects of the <i>mohwa</i> crop have been considerably damaged by the variable weather of the week; another week of similar weather and the <i>mohwa</i> will be a total failure, causing severe distress.
41	Lohardugga, " 23 "	1.18	Violent storms of hail, rain, and wind have occurred nearly daily at Ranchi, and reports from Palanow and other places show that the district generally has been affected similarly. The <i>mohwa</i> and <i>rubbee</i> crops have been very much injured. There has been little mango blossom this year. Prices have not risen since last report. General health is good.
42	Singbhoom, " 22 "	1.43	Weather—hardly seasonable, as it is too cool for the time of year. It is now certain that there will be no mangoes and very little <i>mohwa</i> . The late rain has been useful for ploughing and preparation of lands. Some cases of cholera have occurred in Dhalbhoom, but the rest of the district is healthy.
43	Manbhoom, " 23 "	3.01	Weather—stormy at the beginning of the week; hot and seasonable towards its close. The <i>mohwa</i> crop, wherever heavy rain and hail have fallen, has suffered more or less; in some places one-half of the early crop has been lost. The reports as to distress are conflicting; on the one hand, the most positive reports of distress in the west of the district have been received; on the other hand, the Assistant Commissioner and District Superintendent of Police, who have just returned from the western-most police station, state that after minute enquiry they have reason to believe that there is little, if any, actual distress. The Deputy Commissioner will probably visit the locality, and meanwhile tentative relief works from local funds will be taken in hand. The rates of pay will be low, so as to attract only those who are pressed for food. Emigration is brisk; the emigrants say they are leaving the district owing to food being scarce. Sporadic cases of cholera in the town and throughout the district, and here and there cases of small-pox have been reported.

\* Report of 24th shows rainfall during the week ending 23rd.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 26th March 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

**. RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE  
UNDERMENTIONED DISTRICTS OF BENGAL FOR THE FORTNIGHT  
ENDING 15TH MARCH 1878.**

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.		DISTRICTS.		QUANTITIES PER RUPEE BY															
				WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, BAJRA.			
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
BENGAL.																			
Western Districts.																			
1	Burdwan	...	...	...	S. Ch. 11 4	S. Ch. 16 0	S. Ch. 12 12	S. Ch. 22 0	S. Ch. 26 0	S. Ch. 30 0	S. Ch. 12 0	S. Ch. 14 4	S. Ch. 19 0	S. Ch. 12 8	S. Ch. 15 0	S. Ch. 21 0	...	...	...
2	Bankoora	...	...	...	A. 12 8	12 8	20 0	18 0	22 0	28 0	12 8	12 8	25 0	17 0	17 8	30 0	...	...	...
3	Beerbhoom	...	...	...	B. 11 0	11 0	16 0	18 0	20 0	...	12 8	12 0	18 0	15 0	15 0	24 0	...	...	...
4	Midnapore	...	...	...	C. 12 0	12 0	17 0	...	...	...	13 0	15 0	20 0	16 0	17 0	26 0	...	...	...
5	Hooghly	...	...	...	12 0	12 8	14 8	...	...	...	9 0	10 0	{ 11 0 to 11 8 }	12 8	13 0	{ 18 8 to 19 0 }	...	...	...
	Howrah	...	...	...	12 0	12 4	13 0	...	...	...	10 0	8 0	12 8	12 8	13 0	16 0	...	...	...
Central Districts.																			
	Calcutta	...	...	...	D. 11 12	11 12	13 0	14 8	16 0	22 0	7 0	7 0	9 8	11 10	12 0	14 0	...	...	...
6	24-Pergunnahs	...	...	...	...	...	...	...	...	...	6 12	6 8	8 0	10 8	12 4	14 0	...	...	...
7	Nuddea	...	...	...	13 6	12 6	16 13	20 0	...	...	10 10	12 5	16 0	11 10	12 13	16 13	...	...	...
8	Jessore	...	...	...	E. 11 0	11 12	...	...	...	...	11 8	11 12	14 8	13 0	15 0	20 0	...	...	...
9	Moorshedabad	...	...	...	F. 15 0	16 0	{ 18 0 to 19 0 }	35 0	26 0	35 0	11 0	{ 13 0 to 14 0 }	16 0 17 8	13 0	{ 14 8 to 15 0 }	20 0 21 0	...	...	...
10	Dinapore	...	...	...	G. 12 0	12 0	11 0	...	23 0	14 8	18 0	14 8	18 0	10 0	18 8	29 0	...	...	...
11	Rajshabye	...	...	...	H. 12 12	12 0	13 8	37 8	37 8	...	{ 10 0 to 11 4 }	12 12	{ 16 8 to 20 4 }	12 12 13 8	13 8 15 0	23 4 24 0	...	...	...
12	Rungpore	...	...	...	I. 15 0	15 0	22 8	...	...	...	11 15	11 15	15 0	22 8	18 0	22 8	...	...	...
13	Bogra	...	...	...	9 15	12 0	16 10	...	...	...	12 0	12 0	16 8	15 12	16 8	28 6	...	...	...
14	Pubna	...	...	...	J. 10 8	13 0	18 12	...	...	...	8 0	8 0	12 0	12 0	15 0	23 8	...	...	...
15	Darjeeling	...	...	...	K. 6 8	8 0	8 0	...	...	...	6 8	9 0	6 8	8 8	11 0	14 0	...	...	...
16	Julpigoree	...	...	...	L. 10 0	10 0	8 0	...	...	...	12 0	12 0	15 0	16 0	16 0	20 0	...	...	...
Eastern Districts.																			
17	Dacca	...	...	...	M. 13 0	13 1	12 4	32 0	32 0	53 0	12 0	11 12	17 10	14 4	14 8	23 2	...	...	...
18	Furreedpore	...	...	...	N. 15 0	15 0	22 8	...	...	...	7 0	8 0	8 0	13 0	14 0	20 0	...	...	...
19	Backergunge	...	...	...	O. ...	...	...	...	...	...	12 0	11 0	13 0	14 0	14 0	15 0	...	...	...
20	Mymensingh	...	...	...	P. 10 8	10 0	14 0	...	...	...	12 0	13 0	20 0	13 0	14 8	26 0	...	...	...

A In the interior the prices range as follow :—Wheat 10½ to 13 seers, barley at 30 to 38 seers, best rice 11 to 15½ seers, common rice 13 to 16½ seers, and gram 12½ to 20 seers.  
B In the interior the prices range as follow :—Wheat 11½ to 16 seers, barley 20 to 36 seers, best rice 12½ to 18 seers, common rice 15 to 20 seers, maize or Indian-corn 20 to 39 seers, and gram 12 to 16 seers.  
C In the interior the prices range as follow :—Wheat 11 to 17 seers, best rice 13 to 17 seers, common rice 13½ to 18 seers, and gram 13 to 21 seers.  
D In the interior the prices range as follow :—Wheat 10½ to 12½ seers, barley 13½ to 16½ seers, best rice 6½ to 7 seers, common rice 10½ to 16 seers, and gram 11½ to 12 seers.  
E In the interior the prices range as follow :—Wheat 8 to 13½ seers, best rice 10 to 13 seers, common rice 13 to 16 seers, and gram 11½ to 14 seers.  
F In the interior the prices range as follow :—Wheat (at Lalbagh) 14 seers, barley (at Lalbagh) 25 seers, best rice 11 to 12 seers, common rice 13 seers, and gram 17½ to 20 seers.  
G In Boygunge the prices are—Wheat 13 seers, best rice 13 seers, common rice 16 seers, and gram 15 seers.

in the undermentioned *Marts* of Bengal for the fortnight ending 15th March 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 7 03 0 0	...	...	...	...	...	...	3 12 0	...	2 12 02 8 0	...	...	0 7 00 7 0	...	4 0 01 0 0	...	...	Calcutta.	
...	...	...	...	...	...	...	...	...	3 0 03 0 0	...	...	...	...	4 6 01 6 0	...	...	Serajunge.	
...	...	...	...	...	...	...	...	...	2 14 02 9 0	...	...	0 6 00 6 0	...	4 6 01 6 0	...	...	Dacca.	
...	...	...	...	...	...	...	...	...	3 2 02 15 0	...	...	0 9 00 9 0	...	4 4 01 6 0	...	...	Naraingunge.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.	
...	...	...	...	...	...	2 0 02 0 0	...	...	1 14 31 14 6	...	...	...	...	...	...	...	Patna.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.*	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.	
...	...	...	1 12 08 10 0	...	...	...	...	...	2 6 02 4 0	...	...	0 3 00 8 0	...	3 8 03 8 0	...	...	Cuttack.	

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 3rd to 9th March 1878.	Rain from 10th to 16th March 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BUREWAN.	WESTERN DISTRICTS.	Burdwan ...	Nil	0.18	0.47	16th Mar.		
		Cutwa ...	ditto	0.05	1.08	ditto		
		Culna ...	ditto	0.14	1.78	ditto		
		Bood-Bood ...	ditto	0.40	0.90	ditto		
		Raneegunge ...	ditto	0.02	0.51	ditto		
	Jehanabad ...	ditto	0.51	1.63	ditto			
	Bankoora ...	Bankoora ...	ditto	0.40	2.39	ditto		
	Beerbhoom ...	Sooree ...	ditto	0.10	1.04	ditto		
		Hetampore ...	ditto	0.05	0.31	ditto		
		Roy pore ...	ditto	Nil	0.20	ditto		
	Midnapore ...	Midnapore ...	0.80	0.21	3.30	ditto		
		Tumlook ...	0.24	0.20	1.49	ditto		
		Ghatal ...	0.15	1.18	3.43	ditto		
	Hooghly ...	Contai... { Dy. Collr.'s Office...	Nil	0.28	0.63	ditto		
		Hooghly ...	0.13	0.38	1.07	2nd Feb		
Serampore ...		0.01	0.35	1.33	16th Mar.			
Howrah ...	Howrah ...	0.01	0.10	1.98	ditto			
	Maheshbeka ...	0.17	0.29	3.37	ditto			
PRESIDENCY.	CENTRAL DISTRICTS.	Saugor Island ...	Nil	0.10	1.30	ditto		
		Alipore ... { Observatory ...	0.01	0.22	0.77	ditto		
			Dispensary ...	0.02	0.23	3.89	ditto	
			Jail ...	0.02	0.24	3.81	ditto	
		Busseerhat ...	Nil	0.80	1.62	ditto		
	24-Pergunnahs ...	Barasat ...	ditto	0.39	0.99	ditto	Not received 17th to 23rd Feb.	
		Diamond Harbour ...	0.40	0.37	2.07	ditto	Ditto ditto.	
		Barripore ...	0.80	0.08	2.25	ditto		
		Satkhira ...	Nil	1.15	2.29	ditto		
		Barrackpore ...	ditto	0.11	1.31	ditto		
		Dum-Dum ...	ditto	0.41	1.82	ditto		
		Kishunghur ...	0.02	0.10	1.51	ditto		
		Bongong ...	0.23	0.80	2.63	ditto		
		Meherpore ...	0.37	Nil	1.00	ditto		
		Nuddea ...	Chooananga ...	0.15	0.30	2.10	ditto	
Kooshitea ...	0.55		0.70	3.28	ditto			
Ranaghat ...	Nil		0.90	2.19	ditto			
Jessore ...	0.16		1.31	2.80	ditto			
Narail ...	0.53		0.19	1.31	ditto			
Jessore ...	Khoolna ...	0.02	0.18	1.24	ditto			
	Jhenida ...	2.68	0.48	4.41	ditto			
	Bagirhat ...	0.05	1.60	2.10	ditto			
	Magoorah ...	2.00	0.02	3.61	ditto			
	Berhampore ...	Nil	0.25	0.98	ditto			
Moorshedabad ...	Champore Haut ...	ditto	0.09	1.10	ditto			
	Lalbagh ...	ditto	0.17	0.71	ditto			
	Jungypore ...	ditto	Nil	1.25	ditto			
	Azingunge ...	ditto	0.05	1.50	ditto			
	Lalgolla ...	ditto	Nil	0.88	ditto			
Dinagapore ...	Kandee ...	ditto	ditto	0.87	ditto			
	Dinagapore ...	ditto	1.17	2.44	ditto			
	Raigunge ...	ditto	0.38	1.69	ditto			
Maldah ...	Maldah ...	ditto	Nil	1.98	ditto			
	Chanchal ...	ditto	0.21	1.93	ditto			
Rajshahye ...	Bauleah ...	ditto	0.01	0.49	ditto			
	Nattore ...	ditto	Nil	1.12	ditto			
Rungpore ...	Rungpore ...	ditto	ditto	0.54	ditto			
	Bhabanigunge ...	ditto	0.72	1.45	ditto			
	Kurigram ...	0.27	0.06	1.18	ditto			
	Bagdogra ...	Nil	Nil	1.00	ditto			
RAJSHAHYE.	Bogra ...	Bogra ...	ditto	0.74	2.48	ditto		
		Sherpore ...	ditto	0.50	2.01	ditto		
		Nowkhilla ...	ditto	0.23	1.40	ditto		
		Panchabibi ...	ditto	0.34	1.90	ditto		
		Halulya ...	ditto	Nil	1.40	ditto		
COOCH BEHAR.	Pubna ...	Pubna ...	0.15	0.51	1.91	ditto		
		Serajunge ...	1.00	Not recd.	3.41	9th Mar.		
		Darjeeling ... { Telegraph Office ...	0.07	ditto	1.46	ditto		
			Hospital ...	0.07	0.63	1.99	16th Mar.	
		Julpigoree ...	Julpigoree ...	Nil	0.90	1.24	ditto	
Bodah ...	ditto		0.90	1.30	ditto	Not received 24th Feb. to 2nd Mar		
Buxa—Civil Surgeon's Office	ditto		0.51	2.08	ditto			
Titalya ...	Not recd.		0.18	0.77	ditto	Not received 17th Feb. to 9th Mar		
Cooch Behar Tributary States.	Cooch Behar ...	Nil	0.85	1.61	ditto			

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 3rd to 9th March 1878.	Rain from 10th to 16th March 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL.—continued.								
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.			
		Dacca ... {	Telegraph Office...	0.15	Not recd.	1.31	9th Mar.	
			Hospital ...	0.18	0.12	1.58	16th "	
		Moonsheegunge ...		0.50	0.80	2.66	ditto	
			Manickgunge ...		0.02	0.30	0.99	ditto
		Furreedpore ... {	Furreedpore ...	2.35	0.00	3.75	ditto	
			Gonlundo ...	0.59	0.10	1.87	ditto	
			Madaripore ...	2.76	Nil	4.23	ditto	
		Backergunge ... {	Burrisal ...	0.08	0.09	0.98	ditto	
			Perozepore ...	1.87	Nil	2.52	ditto	
			Patoonkhailly ...	0.22	0.28	1.19	ditto	
			Bhola ...	1.36	Nil	1.84	ditto	
		Mymensingh ... {	Mymensingh ...	0.03	1.17	3.96	ditto	
			Jamulpore ...	Nil	0.72	2.27	ditto	
			Atia ...	0.35	Nil	1.83	ditto	
			Kishoregunge ...	0.96	1.65	5.18	ditto	
		Chittagong ... {	Chittagong {	0.50	1.30	2.10	ditto	
			Jail ...	0.68	0.92	2.53	ditto	
Cox's Bazar ...	1.53		Nil	2.27	ditto			
Noakhully ... {	Noakhully ...	1.98	ditto	4.17	ditto			
	Fenny ...	0.30	0.15	3.75	ditto			
Tipperah ... {	Comillah ...	0.46	0.62	3.18	ditto			
	Brahmunbariah ...	0.62	0.69	4.17	ditto			
Chittagong Tracts. Hill {	Rungamatee Hill...	0.80	Nil	3.04	ditto			
	huma ...	0.91	Not recd.	1.00	9th Mar.	From 17th February.		
Hill Tipperah ...	Hill Tipperah ...	2.43	0.22	4.35	16th "			
BEHAR.								
PATNA.		Patna ... {	Patna ...	Nil	Nil	1.24	ditto	
			Behar ...	ditto	ditto	1.37	ditto	
			Barh ...	ditto	ditto	1.28	ditto	
			Dinapore ...	ditto	ditto	1.50	ditto	
		Gya ... {	Gya ...	ditto	ditto	1.08	ditto	
			Nowadah ...	ditto	ditto	2.13	ditto	
			Aurangabad ...	ditto	0.02	0.99	ditto	
			Jehanabad ...	ditto	Nil	2.33	ditto	Not received 24th Feb. to 2nd Mar.
		Shahabad ... {	Arrah ...	ditto	ditto	1.98	ditto	
			Sasaram ...	ditto	Not recd.	0.93	9th Mar.	
			Buxar ...	ditto	Nil	2.70	16th "	
			Bhuboah ...	ditto	ditto	2.80	ditto	
		Mozufferpore ... {	Mozufferpore ...	ditto	Not recd.	1.56	9th Mar.	
			Hajeehpore ...	ditto	ditto	1.16	ditto	
			Seetamurhee ...	ditto	ditto	1.00	ditto	
		Durbhanga ... {	Durbhanga ...	ditto	Nil	1.04	16th Mar.	
			Mudhoobunnee ...	ditto	ditto	0.89	ditto	
			Tajpore ...	ditto	ditto	0.41	ditto	
		Saran ... {	Chupra ...	ditto	ditto	1.32	ditto	
			Sewan ...	ditto	ditto	2.05	ditto	
		Chumpanun ... {	Motiharee ...	ditto	0.08	1.11	ditto	
			Bettiah ...	ditto	0.13	1.28	ditto	
			Segowlieh ...	ditto	0.14	1.55	ditto	
		Monghyr ... {	Monghyr ...	ditto	0.01	0.89	ditto	
			Begooerai ...	ditto	Nil	2.03	ditto	
			Jamooree ...	ditto	ditto	1.55	ditto	
Bhagulpore ... {	Bhagulpore ...	ditto	0.17	2.26	ditto			
	Soopool ...	ditto	Nil	Nil	ditto			
	Muddehpore ...	ditto	0.10	0.90	ditto			
	Banka ...	ditto	Nil	2.26	ditto			
	Sonbursa ...	ditto	0.20	1.00	ditto			
Purneah ... {	Purneah ...	ditto	0.06	0.73	ditto			
	Kisingunge ...	ditto	Nil	0.81	ditto			
	Arrareah ...	ditto	0.10	0.50	ditto			
Sonthal Pergunnahs ... {	Nya Doomka ...	ditto	0.03	0.53	ditto	Not received 24th Feb. to 2nd Mar.		
	Rajmehal ...	ditto	0.25	1.05	ditto	Ditto ditto.		
	Deoghur ...	ditto	0.07	0.65	ditto	Not received 27th Jan. to 16th Feb. and 24th Feb. to 2nd Mar.		
	Godda ...	ditto	Nil	0.96	ditto	Not received 24th Feb. to 2nd Mar.		

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 3rd to 9th March 1878.	Rain from 10th to 16th March 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	0.20	0.20	16th Mar.		
		{ Hospital ...	ditto	Not recd.	0.26	9th Mar.		
		Jajpore ...	ditto	ditto	Nil	ditto		
		Kendraparah ...	ditto	ditto	0.50	ditto		
		Jagatsingpore ...	ditto	ditto	0.50	ditto		
	Pooree	False Point ...	ditto	0.30	0.60	16th Mar.		
		Pooree ...	ditto	Not recd.	0.07	9th Mar.		
		Khurdah ...	0.01	ditto	0.13	ditto		
	Balasore	Balasore... ..	0.10	0.18	1.05	16th Mar.		
		Bhadrack ...	Nil	0.33	0.72	ditto		
		Jellasore ...	0.06	0.50	1.09	ditto		
		Sorah ...	1.20	0.80	1.88	ditto		
		Chandbally ...	0.05	0.95	1.20	ditto		
	Cuttack Tributary Mehals.	Sumbalpole ...	Nil	Not recd.	0.45	9th Mar.		
	CHOTA NAGPORE.							
	SOUTH-WESTERN FRONTIER AGENCY.							
	Hazareebagh	Hazareebagh... { Jail	Nil	0.21	0.76	16th Mar.		
		{ Dispensary	ditto	0.16	0.70	ditto		
	Lohardugga	Pachamba ...	ditto	0.03	0.59	ditto		
		Ranchee ...	ditto	1.13	2.28	ditto		
	Singbhoora	Palamow ...	ditto	0.02	0.17	ditto		
		Chyebassa ...	ditto	Nil	1.06	ditto		
	Manbhoom	Purnha ...	ditto	1.14	2.85	ditto		
		Govindpore ...	ditto	0.65	1.59	ditto		
ASSAM & ADJACENT HILLS.								
Sylhet	Sylhet	Not recd.	1.30	3.09	ditto	Not received 3rd to 9th Mar.		
Sibsagar	Sibsagar ...	0.43	Not recd.	2.81	9th Mar.			
	Golaghat ...	0.08	ditto	3.54	ditto			
	Jorhat ...	Not recd.	ditto	2.50	2nd Mar.			
Itajpootana	Akyab ...	0.40	Nil	0.60	16th Mar.			
	Alwar ...	Nil	0.40	1.20	ditto			
	Jaipur ...	ditto	Nil	1.29	ditto			
	Saunbhar ...	ditto	ditto	0.10	ditto			

CALCUTTA,  
The 23rd March 1878.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 17th to 23rd March 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	THERMOMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	Mar. 17th	10	30.025	30.047	83.3	73.8	62	S W	4.5	.....	.....	b
	18	16	29.957	29.979	88.5	75.0	61	N N E	6.3	.....	CK	c
	18th	10	29.973	29.995	75.8	71.0	78	S W by W	10.6	0.27	P	c, g
	16	16	29.854	29.875	88.5	75.7	59	W	11.5	.....	C, CK	b
	19th	10	29.951	29.973	80.8	73.5	71	W by N	7.5	0.26	.....	b
	16	16	29.817	29.838	88.7	71.2	48	W	5.0	.....	.....	b
	20th	10	30.027	30.049	83.0	74.5	65	N W	4.5	.....	.....	b
	16	16	29.906	29.928	91.0	89.8	81	N E by E	7.5	.....	C	c
	21st	10	30.086	30.108	81.0	70.0	78	S W	3.8	.....	PC	c, g
	16	16	29.975	29.997	91.8	73.0	51	N W by N	7.7	.....	P	c
SAVON ISLAND.	22nd	10	30.055	30.077	83.9	67.8	43	N by W	8.5	.....	C	c
	16	16	29.932	29.954	92.0	69.8	29	W by N	5.0	.....	.....	b
	23rd	10	30.036	30.057	87.5	73.2	48	W by S	6.5	.....	.....	b
	16	16	29.897	29.918	95.0	70.4	25	N W by N	7.0	.....	K	c
	Mar. 17th	10	30.026	30.043	82	78	83	S	4.0	.....	PK, FK	m
	16	16	29.913	29.919	84	78	75	S S E	10.5	.....	K	b, m
	18th	10	29.862	29.868	79	75	82	S S E	8.1	0.80	PK	b, m
	16	16	29.876	29.882	85	78	72	S S W	13.0	.....	PK	b, m
	19th	10	29.957	29.963	86	79	73	W S W	14.8	0.60	FK	g, i, f
	16	16	29.874	29.880	83	78	79	S	11.1	.....	P	b, c, m
CHITTAGONG.	20th	10	29.941	29.987	83	80	76	W	8.7	.....	PK	b, m
	16	16	29.908	29.914	90	74	44	N N W	9.5	.....	C	b, m
	21st	10	30.091	30.097	85	80	79	S W	12.3	.....	PC	b, m
	16	16	29.991	29.997	85	76	64	N	8.0	.....	PK	m, o
	22nd	10	30.067	30.073	83	71	53	N W	6.2	.....	C	b, m
	16	16	29.918	29.951	87	76	58	S S W	9.0	.....	C	b, m
	23rd	10	30.039	30.045	86	80	76	S W	9.0	.....	K	b, m
	16	16	29.914	29.924	86	79	72	S S W	8.9	.....	K	b, m
	Mar. 17th	10	29.914	30.036	85	75	61	S S E	4.2	.....	C	m
	18th	10	29.914	30.036	84	75	64	W	4.7	.....	K, PC	c
ARAB.	19th	10	29.891	29.986	86	75	58	W	4.2	.....	.....	b, m
	20th	10	29.973	30.064	86	78	68	W S W	7.0	.....	K, FK	m
	21st	10	30.014	30.126	83	78	79	Calm	5.6	.....	PK	c, m
	22nd	10	Not received.							.....	.....	
	23rd	10	29.958	30.017	89	77	56	W N W	6.4	.....	.....	b, m
	Mar. 17th	10	30.046	30.067	87	76	58	N W	2.7	.....	.....	b
	18th	10	29.992	30.014	83	73	60	E S E	2.4	.....	C	
	19th	10	30.002	30.023	86	75	58	N E	4.6	.....	K	
	20th	10	30.069	30.091	84	78	75	E	3.5	.....	K	
	21st	10	30.093	30.114	89	78	59	N	5.4	.....	CK	
DIAMOND ISLAND.	22nd	10	30.054	30.075	89	77	58	N W	4.0	.....	CK	
	23rd	10	30.033	30.054	87	75	55	E	6.2	.....	C	
	Mar. 17th	10	30.029	30.071	83	79	83	N N W	7.3	.....	.....	b
	18th	10	29.986	30.008	83	78	79	N W	9.7	.....	.....	b
	19th	10	30.017	30.059	83	79	83	N W	8.9	.....	.....	b
	20th	10	30.031	30.073	83	79	83	N W	9.9	.....	.....	b
	21st	10	30.056	30.098	83	80	87	N N W	11.0	.....	.....	b
	22nd	10	30.032	30.074	83	79	83	N W	12.9	.....	.....	b
	23rd	10	30.008	30.050	83	79	83	N W	9.9	.....	.....	b
	Mar. 17th	10	29.930	30.012	85	75	61	S	3.3	.....	C, CK	c
CUTTACK.	18th	10	29.943	30.025	83	75	67	E N E	5.8	.....	PC, C	
	19th	10	29.887	29.969	85	77	68	S W	4.4	0.20	C, PK	
	20th	10	29.847	30.029	87	74	52	S W	2.7	.....	C	
	21st	10	30.039	30.122	82	70	52	W	2.7	.....	PC	c
	22nd	10	29.987	30.068	69	72	41	S W	1.0	.....	C	
	23rd	10	29.962	30.043	91	77	51	S W	2.1	.....	.....	b
	Mar. 17th	10	30.020	30.035	84	76	63	S E	5.0	.....	C, CK	c
	18th	10	30.017	30.032	85	77	68	S E	5.6	.....	PK, CK, C	
	19th	10	29.964	29.989	87	78	65	S	6.7	.....	C, CK	c
	20th	10	30.024	30.039	87	77	62	W S W	6.0	.....	C	c
VIZAGAPATAM.	21st	10	30.101	30.116	85	74	58	W	5.0	.....	C, PC	
	22nd	10	30.067	30.082	88	75	52	N N W	2.0	.....	.....	c
	23rd	10	30.043	30.058	83	77	59	Calm	2.6	.....	C	b
	Mar. 17th	10	30.007	30.038	85	76	64	S	2.8	.....	.....	b
	18th	10	29.981	30.012	87	76	58	S W by W	3.1	.....	.....	b
	19th	10	29.971	30.003	87	78	65	S W	3.8	.....	.....	b
	20th	10	30.014	30.045	88	78	68	W by S	3.5	0.70	.....	b
	21st	10	30.093	30.124	85	77	68	S S E	1.8	.....	.....	b
	22nd	10	30.074	30.105	86	78	68	S	0.6	.....	.....	b
	23rd	10	30.033	30.034	86	78	68	S E	0.9	.....	.....	b
MADRAS.	Mar. 16th	10	30.028	30.050	86	75	58	S E by E	1.0	.....	.....	b
	18	16	29.911	29.933	87	77	62	S E by E	1.1	.....	.....	b
	17th	10	30.032	30.054	88	77	59	S E by E	7	.....	.....	b
	16	16	29.915	29.937	87	78	65	E S E	1.0	.....	.....	b
	18th	10	29.903	30.014	90	78	56	S E by E	8	.....	.....	b, c
	16	16	29.871	29.893	86	77	65	E S E	1.4	.....	.....	c
	19th	10	29.988	30.010	89	79	63	S by E	1.0	.....	.....	b, c
	16	16	29.870	29.892	87	79	69	E S E	1.5	.....	.....	c
	20th	10	30.043	30.065	87	78	65	K S E	1.0	.....	.....	c
	16	16	29.920	29.942	87	79	69	E S E	1.1	.....	.....	c
COLOMBO.	21st	10	30.112	30.131	83	77	59	E S E	8	.....	.....	cloudy
	16	16	30.050	30.072	87	77	62	E by N	1.0	.....	.....	c
	22nd	10	30.090	30.112	89	77	66	E by N	6	.....	.....	c
	16	16	29.975	29.997	83	76	56	E N E	7	.....	.....	c
	Mar. 17th	10	29.903	30.003	87	79	69	N	3.1	.....	C	
	18th	10	29.932	29.972	88	81	78	N W by W	1.4	0.30	C	
	19th	10	29.948	29.988	86	78	68	N W	1.4	.....	C	
	20th	10	29.985	30.025	85	78	72	N W	5.0	.....	C	
	21st	10	30.010	30.050	85	79	76	N	3.8	0.10	C	
	22nd	10	29.985	30.025	85	77	68	N	2.8	.....	.....	c
	23rd	10	29.931	29.972	88	79	66	N	4.9	.....	.....	c

\* Velocity of wind in miles per hour.



## Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd March 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 33° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878. March	17th	153°0	Inches. 29·950	78·5	89·0	21·0	67·1	70·2	Inches 0·658	68·7	72	Till 6½ A.M. S through E and S E, till midnight S back again through W, N and E.	160	Inches. Nil	Morning clear, day and night cloudy, <i>w, o, g, t, l</i> and <i>p</i>
"	18th	153·2	·939	70·2	87·5	17·7	69·8	71·6	·716	69·2	79	Till 6 A.M. N W through S W and W, till 11 A.M. S through W and S W, till 6½ P.M. N W through S W and W, till midnight S through W and S W.	240	*0·27	Chiefly cloudy, <i>o, g, t, l, p</i> and <i>f</i>
"	19th	143·0	·804	77·0	89·5	23·1	68·4	72·2	·724	69·6	77	Till 1 P.M. N W by N through S W and W, till midnight S W through W.	170	†0·26	Chiefly clear.
"	20th	148·0	·954	70·0	91·4	20·9	70·5	70·8	·648	66·4	68	Till noon N E by E through W and N, till midnight S through E and S E.	113	Nil	Morning clear, day and night partially cloudy, <i>w.</i>
"	21st	143·4	30·020	78·7	88·9	13·3	73·6	73·2	·745	70·4	76	Till 8 A.M. S, till midnight N W by N through S W and W.	95	"	Morning clear, day and night cloudy, <i>w, f, o</i> and <i>g.</i>
"	22nd	151·5	29·983	78·5	92·0	25·2	66·8	67·1	·611	59·6	59	W N W, W and W by S.	107	"	Chiefly clear, <i>f</i> and <i>w.</i>
"	23rd	154·0	29·980	80·7	95·4	26·4	68·0	70·6	·616	64·9	59	Till 10 A.M. W by S, till 10 P.M. W veering round S W, W and N W; till midnight W by S.	140	"	Clear, <i>w.</i>

\* Fell at 7 P.M. of the 17th.

† Fell at 9 P.M. of the 18th.

The mean pressure of the seven days ... .. 29·958  
The average pressure of the corresponding period for 25 years. S. G. Office ... 29·854

The mean temperature of the seven days ... .. 78·1  
The average temperature of the corresponding period for 25 years. S. G. Office ... 81·8  
The extreme variation of temperature during the seven days ... .. 29·0  
The maximum temperature during the seven days ... .. 95·4

The mean relative humidity during the seven days ... .. %  
The average relative humidity of the corresponding period for 25 years. S. G. Office 64

The total fall of rain from 17th to 23rd March 1878 ... .. Inches.  
The average fall of the corresponding period for 25 years. S. G. Office ... 0·53  
The total fall from 1st January to 23rd March 1878 ... .. 0·21  
The average fall of the corresponding period for 25 years. S. G. Office ... 1·81  
The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers.

All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*w* dew, *o* overcast, *g* gloomy, *t* thunder, *l* lightning, *p* passing temporary showers, *f* strong wind, *f* foggy.

METEOROLOGICAL OFFICE, INDIA,  
The 25th March 1878.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of India.

## Reports of Fluctuation of Traffic on the East Indian Railway for four weeks ending 23rd February 1878.

EAST INDIAN RAILWAY TRAFFIC MANAGER'S OFFICE, JAMALPORE, THE 14TH MARCH 1878.

*Remarks on Traffic of East Indian Railway for four weeks ending 23rd February 1878.*

THE approximate figures for the period are—

		Coaching.		Goods.		Total.
		No.	Rs.	Mds.	Rs.	Rs.
1878	...	611,414	8,57,018	66,25,434	22,29,739	30,83,757
1877	...	611,412	8,77,335	62,04,192	22,73,453	31,50,788
Increase	...	22	...	14,17,242	...	...
Decrease	...	...	20,317	...	44,714	65,031

In merchandise traffic, it will be seen, there is an increase of 27 per cent. in weight lifted, while the receipts show a slight falling off (not quite 2 per cent.) This is more than covered by a reduction in Government stores alone.

The principal fluctuations are—

		Increases.		Decreases.	
Coal.	Minerals.	Construction account.	Seeds.		
Grain.	Opium.	Saltpetre.	Timber.		
Hides.	Railway materials.	Salt.	Tobacco.		
Commissariat beer and Government stores.	Cotton.	Piece-goods.	Stone.		
Betel-nuts.	Jaggree.	Foreign railway material.	Sugar.		
		Increases.			
Coal—Upward	...	Mds. —13,623	Rs. —13,613		
Downward	...	" + 3,96,258	" + 53,947		
Net increase	...	3,82,635	40,334		

The small decrease in the upward coal lies with the Burrakur fields, whence the Great Indian Peninsular were drawing their supply last year :—

Grain	...	Mds. 8,89,018	Rs. 1,88,090
Made up as under—			
Rice	...	" 1,10,575	" 1,58,125
Barley	...	" 1,70,656	" 21,506
Other grains, excluding wheat	...	" 1,48,754	" 1,34,330
Pulses	...	" 6,77,749	" 1,11,233
		11,07,734	4,25,194
Less decrease wheat	...	2,18,716	2,37,004
		8,89,018	1,88,190

As regards the decrease in wheat, 8,000 tons, it will be sufficient to say that the export from Calcutta in these four weeks was under 3,000 tons, while in the corresponding period last year it was 17,000 tons.

Falling prices in Europe have combined with scarcity in the North-Western Provinces to cause this.

Freight could be had in Calcutta at this moment for wheat at fifteen shillings a ton, but even this will not make it pay, low as it is compared with the freights, £3 to £3-2-6, which wheat paid last year.

*Rice and other cereals.*—The large comparative increase in earnings on this staple is due to the demand for food-grains in the Upper Provinces.

*Barley.*—This is, as in the previous month, almost entirely in the traffic from Seinde, Punjab and Delhi to Oudh and Rohilkund Railway over a short lead, 6,500 tons of it earning only £2,000 on this line.

This is now nearly over, as the worst time for Rohilkund has, it is hoped, passed away.

*Pulses.*—A great portion of this traffic has been in the same direction with the barley.

Hides ... Mds. 66,924 Rs. 60,555

It will be noticed that the earning is *three times* that of 1876.

It has been a particularly brisk season in the hide trade, but I notice that an inferior class of hides is said to be coming forward in Calcutta just now, and not getting sale.

This points probably to an exhaustion of stocks up-country, and we may expect to see a falling off in this staple.

Salt ... Mds. 35,025 Rs. 7,903

This is in the despatch of salt from Howrah, which continues good, and was no doubt checked to some extent last year by the heavy speculation for export that was then going on.

Saltpetre ... Mds. 34,022 Rs. 11,843

This is about the quantity shipped from Calcutta during the month, and stocks on hand in Calcutta must, I should say, be nearly exhausted.

Seeds ... Mds. 1,19,841 Rs. 36,152

This is, again, a very large increase over the previous year.

Patna contributes nearly two-thirds of the weight, but Cawnpore about half of the amount.

Timber ... Mds. 9,501 Rs. 11,689

This was mainly in teak squares sent from Howrah to Allahabad and Lucknow for Government works.

Tobacco ... Mds. 12,349 Rs. 6,420

Good crops in Behar and demand in North-Western Provinces have contributed to this.

### Decreases.

Commissariat beer	...	Mds. 9,584	Rs. 15,018
Other commissariat stores	...	" 2,708	" 4,589
Ordnance stores	...	" 24,552	" 37,234

As to the two former there is nothing to remark. The falling off in ordnance stores is due to special circumstances in 1877, viz., the striking camp at Delhi after the Imperial Assemblage, and the heavy despatch of munitions of war towards the frontier magazines which was going on at the same time.

Betel-nuts ... Mds. 13,208 Rs. 18,430

This staple is showing a decrease again lately, after standing high for some time past.

I understand the imports into the Calcutta market have been very short. Stocks are small and prices high in consequence; while a good deal of distress prevails in Upper India, and the demand for this (a luxury) is restricted.

Cotton ... Mds. 1,20,320 Rs. 2,04,106

Sugar ... " 36,655 " 13,621

I need not, I think, say much about these. There have been very scanty crops in both staples, and there is but little demand in Europe.

Piece-goods ... Mds. 46,202 Rs. 73,656

There is scarcely any business doing. The alarm about the crops has paralysed trade in the North-Western Provinces, where our great piece-goods trade lies, and where the people were last year enjoying an almost unparalleled prosperity.

The Calcutta market reports speak of present prices as purely nominal and of a fall as necessary to lead to any large dealing. The state of political affairs in Europe has doubtless some effect also:—

Foreign railway material ... Mds. 39,810 Rs. 20,334

This is nearly all a question of State Railway construction, and must course fluctuate as plans are pressed forward or allowed to wait.

The train mileage has been—

	Coaching.	Goods.	Total.
1878	185,748	4,49,290	6,35,038
1877	182,759	4,08,558	5,91,317
Increase	2,989	40,732	43,721
Decrease			

#### EARNINGS PER TRAIN MILE.

	Coaching.	Goods.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
1878	4 9 10	4 15 4	4 13 9
1877	4 12 10	5 9 6	5 5 8
Increase	0 3 0	0 10 2	0 7 9
Decrease			

The increase in the goods train mileage is about 10 per cent., while the increase in weight lifted is 27.

It will have been seen by previous remark that the "decreases" in traffic have lain with cotton, piece-goods, sugar, Government stores, and long distance wheat, as compared with increases in upward grain, seeds, saltpetre, hides, and other traffic carried at the lowest rates of freight.

Another drawback is the very large upward grain traffic running side by side with the coal for foreign railways instead of providing that traffic with return empty vehicles to carry it.

The month's traffic on the Jubbulpore line has been—

	Coaching.	Goods.	Total.
	No.	Mds.	Rs.
1878	29,959	5,93,700	1,67,273
1877	32,991	9,32,809	2,43,731
Increase	3,032	3,39,103	76,458
Decrease			94,087

This line still feels in passenger traffic the comparison with last year, inasmuch as the people from the Delhi Assemblage were still drifting homewards to the western presidency in February.

The great falling off in goods traffic is of course readily accounted for by the fact of the famine traffic and export, which between them did so much to swell Jubbulpore line receipts last year.

The figures for three years are:—

1876	Mds. 4,11,721	Rs. 98,569
1877	" 9,32,809	" 2,43,731
1878	" 5,93,700	" 1,67,273

the goods earnings this month being 75 per cent. above 1876.

J. C. BATCHELOR, Traffic Manager.

#### MAIN LINE.

Statement showing the Totals and Increases and Decreases of Staples during four weeks.  
ending 23rd February 1878.

STAPLES.	WEIGHT.		AMOUNT.		INCREASES AND DECREASES.			
	1877.	1878.	1877.	1878.	Increase.		Decrease.	
	Mds.	Mds.	Rs.	Rs.	Mds.	Rs.	Mds.	Rs.
Beer, Commissariat	9,974	390	15,111	93			9,584	15,018
not Commissariat	5,690	5,432	8,220	7,150			258	1,076
Betel-nuts and leaves	17,530	4,326	21,697	3,307			13,204	18,430
Boots and shoes	2,134	2,308	8,342	4,015	284	673		
Brass and brassware	10,808	12,322	9,605	8,846	1,514			759
Bricks and drainage pipes	9,479	12,507	4,581	5,091	3,088	510		
Coal, up	3,82,244	3,08,021	1,58,127	1,41,514			13,023	13,613
" down	10,37,033	14,33,803	1,48,210	2,02,167	3,96,258	53,947		
Copper	8,567	8,149	13,592	12,034			408	1,554
Cotton	1,63,879	33,559	2,34,128	80,023			1,20,320	2,04,106
" twist	7,710	18,583	9,048	13,542	5,807	4,494		
Dyewood	4,099	5,411	4,237	3,155			1,553	1,083
Empty coops and casks	8,220	4,332	2,929	3,299	1,112	370		
Firewood	21,777	27,400	410	487	5,623	51		
Fruits	15,900	13,368	8,913	8,834			2,432	79
Glass and glassware	3,668	4,878	4,243	5,317	1,210	1,069		
Ghee and oil	34,399	47,771	50,755	40,977	13,373			3,778
G. B. T. packages	5,443	3,959	9,996	8,715			1,480	1,181
Government Commissariat stores	11,058	8,350	10,662	6,073			2,708	4,589
" Ordnance stores	30,395	5,943	45,709	8,475			24,552	37,231
" Barley	399	1,71,045	47	21,553	1,70,656	21,506		
" Oats	17,734	19,708	4,802	5,103	1,071	741		
GRAIN, EDIBLE, AND PULSES.	7,28,595	8,49,170	1,23,018	2,81,143	1,10,575	1,58,125	2,18,716	2,37,004
" Rice	3,98,309	1,79,593	2,74,243	37,230				
" Other grains	3,84,090	5,35,770	51,695	1,85,184	1,44,780	1,33,589		
" Pulses of all kinds	1,08,658	7,84,407	31,105	1,42,339	6,77,749	1,11,233		
Gunny	41,635	52,401	31,474	35,676	10,706	4,102		
Hides and horns	50,089	1,17,013	30,200	90,815	60,924	60,555		
Indigo	2,577	4,237	8,539	4,225	1,600	686		
Iron	50,265	65,463	61,130	59,310				1,820
Jaggree	1,04,819	1,86,750	46,431	40,004			11,869	437
Lac	32,479	32,983	18,117	17,288	508			829
Minerals	26,063	73,111	5,018	10,759	46,146	5,721		
Mowah flower	5,234	9,510	975	1,567	4,295	592		
Oil-cake	7,476	6,348	3,290	1,485			1,228	1,814
Opium	52,283	55,511	54,143	64,479	3,028	10,336		
Paper	7,494	5,517	11,180	6,755			3,977	4,434
Piece-goods	1,40,065	93,863	1,72,906	99,316			46,203	73,636
Railway materials, construction account	8,213	86,830	1,020	2,700	30,617	1,671		
" foreign	59,095	18,885	72,220	51,892			39,810	20,334
Roots	15,350	19,171	3,447	6,220	3,821	2,782		
Salt	3,19,746	3,54,771	90,332	94,235	35,025	7,903		
Saltpetre	31,216	68,238	18,805	27,049	34,022	11,843		
Seeds	3,67,689	4,87,490	1,81,527	2,17,679	1,10,841	36,153		
Silk	2,005	1,811	3,035	2,416			194	619
Spelter	7,117	5,094	11,528	8,182			2,023	3,346
Spices	7,058	11,593	9,084	10,692	5,937	1,608		
Stones	40,809	40,904	8,908	7,245			18,843	1,721
Sugar	92,087	56,332	28,176	14,555			30,665	13,621
Tea	2,554	2,551	3,805	3,899		94		
Timber	43,700	51,201	10,090	22,079	9,501	11,689		
Tobacco	11,212	23,581	6,432	12,852	12,349	6,420		
Turmeric	5,326	6,738	3,622	3,381	1,412	329		
Wines	7,356	8,071	16,747	15,099	715			1,648
Miscellaneous	1,13,078	1,27,614	1,19,293	1,18,478	14,536			820
Total	52,06,596	65,78,572	22,71,857	22,56,046	19,41,333	6,48,781	5,69,656	6,64,892

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 16th March 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coachings receipts.		Weight carried.	Receipts.					Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		Rs. A. P.				
Total traffic for the week ...	165,653	2,28,103 12 6	20,909 10 3	14,42,642 10	5,47,241 10 0	50,183 19 6		7,75,384 6 6	46,007½	111,107		157,714½
Or per mile of railway ...	130,973½	178 3 10	16 6 9	11,32,500 30	427 10 2½	39 4 0		605 14 0				
For previous 10 weeks of half-year ...	1,380,973½	10,91,354 13 9	182,540 17 3	1,49,82,500 30	54,68,780 7 6	500,389 4 2		74,50,135 5 3	456,217½	1,070,473		1,526,690½
Total for 11 weeks ...	1,535,627	22,19,458 10 3	203,450 7 6	1,64,35,143 0	60,06,045 1 6	550,554 2 8		82,25,503 11 9	502,225	1,181,579		1,684,404
COMPARISON.												
Total for corresponding week of previous year ...	150,216½	2,11,923 15 7	19,428 7 3	12,89,561 30	5,05,041 2 0	51,795 14 3		7,76,968 1 7	45,814	101,373		147,386
Per mile of railway, corresponding week of previous year ...	125 9 7	165 9 7	15 3 7	10,000 0	441 8 5	40 9 6		607 2 0				
Total to corresponding date of previous year ...	1,612,295½	25,98,875 1 2	238,230 4 3	1,41,96,330 10	59,73,680 7 8	647,587 7 6		85,72,553 8 10	538,173½	1,099,689		1,638,863

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 16th March 1878 on 223½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coachings receipts.		Weight carried.	Receipts.					Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		Rs. A. P.				
Total traffic for the week ...	8,512½	25,434 12 0	2,331 14 0	1,34,154 10	40,030 6 0	3,751 10 0		66,377 2 0	5,320½	7,703½		13,024
Or per mile of railway ...	76,772	213 10 11	10 8 5	1,13,581 0	182 14 11	14 15 4		296 9 10				
For previous 10 weeks of half-year ...	76,772	2,14,211 12 6	19,638 1 7	14,35,581 0	4,06,337 4 0	37,217 11 8		6,20,549 0 6	50,781	92,944½		143,725½
Total for 11 weeks ...	85,284½	2,39,649 8 6	21,967 15 7	15,71,736 10	4,47,267 10 0	40,169 10 8		6,86,916 2 6	54,101½	100,648½		154,750½
COMPARISON.												
Total for corresponding week of previous year ...	6,746½	20,924 14 0	1,918 2 3	2,17,490 0	55,071 1 0	4,919 16 11		74,595 15 0	4,691	16,106		20,797
Per mile of railway, corresponding week of previous year ...	93 8 4	93 8 4	8 11 6	1,874 0	239 13 11	21 19 9		333 6 3				
Total to corresponding date of previous year ...	89,959½	3,52,913 7 9	32,350 8 1	25,38,394 10	6,45,568 15 0	59,177 3 1		9,98,482 6 9	58,992	163,863		324,655

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 16th March 1878 on 28 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts			
		Rs. A P.	£ s. d.	Mds. s	Rs. A P.	£ s. d.	£ s. d.	
Total traffic for the week ... ..	8,792	1,697 0 0	189 14 0	22,873 0	986 0 0	98 12 0	238 6 0	
Or per mile of railway ... ..	314	57 0 0	5 14 0	1,068 0	35 0 0	3 10 0	9 4 0	
For previous 10 weeks of half-year ... ..	90,645	16,374 0 0	1,637 8 0	2,51,909 0	8,619 0 0	869 0 0	2,508 8 0	
Total for 11 weeks ... ..	99,440	17,971 0 0	1,787 2 0	2,81,783 0	9,676 0 0	967 12 0	2,764 14 0	
COMPARISON.								
Total for corresponding week of previous year ... ..	9,214	1,470 14 9	147 1 10	22,567 0	724 2 3	73 8 3	219 10 1	
Per mile of railway, corresponding week of previous year ... ..	329	52 8 6	5 5 1	805 0	25 13 9	2 11 8	7 18 9	
Total to corresponding date of previous year	116,663½	16,455 8 6	1,645 10 5	1,93,992 36	6,717 3 7	671 14 5	2,317 4 10	

## NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 16th March 1878 on 27½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.			
	No. of passengers.	Coachings receipts.		Weight carried.	Receipts.			
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		£ s. d.
Total traffic for the week ...	3,850	1,551 0 0	165 2 0	22,925 0	1,189 0 0	118 18 0		274 0 0
Or per mile of railway ...	141	56 8 0	5 13 0	841 0	43 8 0	4 7 0		10 0 0
For previous 10 weeks of half-year ...	25,980	11,023 0 0	1,102 6 0	1,78,400 0	10,438 0 0	1,043 18 0		2,146 2 0
Total for 11 weeks ...	29,830	12,574 0 0	1,267 8 0	2,01,325 0	11,627 0 0	1,162 14 0		2,420 2 0
COMPARISON.								
Total for corresponding week of previous year ...	2,512½	1,192 15 3	119 5 11	3,794 11	301 3 3	36 2 4		155 8 3
Per mile of railway, corresponding week of previous year ...	92	43 12 5	4 7 7	139 10	13 4 1	1 6 6		5 14 1
Total to corresponding date of previous year ...	26,998½	12,443 8 0	1,344 5 0	1,07,979 20	6,783 8 9	673 7 1		1,923 12 1

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for week ended 16th March 1878 on 82 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.			
	No. of passengers.	Coachings receipts.		Weight carried.	Receipts.			
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		£ s. d.
Total traffic for the week ...	8,380	4,334 14 0	483 9 9	30,791 0	4,063 14 0	406 5 9		839 15 6
Or per mile of railway ...	101	53 14 0	5 5 9	375 0	49 10 0	4 19 3		10 5 0
For previous 10 weeks of half-year ...	86,773	43,519 9 0	4,351 19 1	2,71,491 20	33,979 9 0	3,397 19 3		7,749 18 3
Total for 11 weeks ...	95,053	47,854 7 0	4,785 8 10	3,02,282 20	38,042 7 0	3,804 4 11		8,589 18 9
COMPARISON.								
Total for corresponding week of previous year, opened 76½ miles ...	6,704	3,288 4 0	333 16 6	16,226 20	1,424 5 0	142 8 7		471 5 1
Or per mile of railway, corresponding week of previous year ...	89	42 14 0	4 5 0	213 0	18 6 0	1 16 9		6 2 0
Total to corresponding date of previous year ...	61,614	29,351 9 0	2,935 3 1	1,51,343 20	12,131 11 9	1,213 3 4		4,147 6 5

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 16th March 1878 on 158½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	45,510½	35,137 5 9	3,220 18 0	2,03,788 27	52,135 5 6	4,779 1 5	7,999 19 11
Or per mile of railway ... ..	288	223 0 7	20 7 1	1,287 31	329 7 2	30 4 0	50 11 1
For previous 10 weeks of half-year ... ..	402,802½	3,14,195 5 5	28,801 4 8	19,71,481 4	4,88,428 7 7	41,772 8 7	73,573 13 3
Total for 11 weeks ... ..	448,203	3,49,332 11 2	32,022 3 2	21,75,269 31	5,40,561 13 1	49,551 10 0	81,572 13 2
COMPARISON.							
Total for corresponding week of previous year	35,340	25,879 5 3	2,372 5 5	2,03,267 36	34,579 4 5	3,109 15 4	5,542 0 9
Per mile of railway, corresponding week of previous year	223	163 8 7	14 19 10	1,284 19	218 8 6	20 0 7	35 0 5
Total to corresponding date of previous year ..	415,538½	3,08,078 14 3	28,295 11 2	20,02,290 12	4,02,124 9 2	36,861 8 6	65,184 19 8



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 3, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

Saturday, 30th March 1878.

### Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *presiding*,  
The Hon'ble G. C. PAUL, *Acting Advocate-General*,  
The Hon'ble H. J. REYNOLDS,  
The Hon'ble A. MACKENZIE,  
The Hon'ble J. O'KINEALY,  
The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
The Hon'ble RAJAH PRAMATHA NATH ROY, BAHADOOR,  
The Hon'ble BABOO MOHINI MOHUN ROY,

AND

The Hon'ble MR. AMEER ALI.

### REGISTRATION OF HACKNEY CARRIAGES.

THE HON'BLE MR. REYNOLDS moved for leave to introduce a Bill to amend Bengal Act V of 1866. He said that by section 2 of Act V of 1866 it was provided that every hackney carriage within the Town and Suburbs of Calcutta

shall be annually registered by a registering officer who shall be appointed for the purpose by the Government, and shall be subordinate to the Commissioner of Police. Under that section a separate Registrar had been appointed, and he had been provided with an office establishment; but the work of registration occupied fully only two or three months of his time in the year. The fees received under the Act amounted to about Rs. 26,000 annually, and something like 47 or 48 per cent. of that amount went in paying the expenses of establishment. It was considered that it would be an improvement if the work of registration were undertaken by the Municipal Commissioners of Calcutta, whose licensing officer would be a fit person for the performance of the work under the Commissioners, as the greater part of the surplus proceeds of fees received under the Act was made over to them. But to enable the Commissioners to appoint the registering officer under the Act, it was necessary to make some modification of section 2. The present Bill therefore provided that the Government might empower the Corporation of the Town of Calcutta to appoint the registering officer, and any officer so appointed should be under the orders and control of the Chairman of the Corporation.

MR. REYNOLDS now only proposed to ask for leave to introduce the Bill, but if leave were given, he did not propose to refer the Bill to a Select Committee, the Bill being a very short and simple one, but to ask the Council to pass the Bill at the next meeting.

THE HON'BLE BABOO KRISTODAS PAL said there was one suggestion he wished to make in connection with this Bill. The Bill gave power to the Municipal Corporation to appoint the registering officer, but not to remove him. As the Bill was now worded, after the appointment of the officer, he would be absolutely under the control of the Chairman. Under the Municipal Act an officer who received a salary of more than Rs. 200 per mensem could not be removed without the sanction of the Commissioners at a meeting. He thought it would be but proper that a similar power should be given to the Commissioners in respect to the removal of the registering officer. Perhaps the object might be attained if it were provided that this Act should be read as part of Act IV of 1876; in that case the conditions which applied to the removal of other officers of the Municipality would apply to the registering officer to be appointed under this Bill.

He would also ask the Council to consider whether a specific provision should not be made authorizing the transfer to the Municipal Commissioners of the surplus proceeds of fees levied under the Hackney Carriage Act. At present the disposal of such fees was left to the discretion of the Government. But now that the work of registration was to be transferred to the Corporation, it was meet that the surplus proceeds of fees should be made over to the Corporation for general municipal purposes, and also for purposes connected with the working of the Act, such as the construction and repairs of hackney carriage stands and the like.

THE HON'BLE MR. REYNOLDS said he thought it was not necessary to make any distinct provision in the Bill regarding the removal of the registering officer who might be appointed by the Municipal Commissioners under this Bill. He understood that every officer appointed by the Corporation under this Bill would be subject to the general rules which regulated the appointment and removal of other officers of the Municipality, and consequently the registering officer when appointed would not be subject to removal without the sanction of the Commissioners. But it would not be incumbent upon the Commissioners to appoint a separate officer under this Bill; as he said before, the duties of Registrar of hackney carriages might be incorporated, if the Commissioners thought fit, with those of the licensing officer of the Commissioners.

With regard to the second suggestion which had been made by the hon'ble member, MR. REYNOLDS could not accept the proposal that the law should declare what proportion, if any, of the fees levied under the Hackney Carriage Act should be made over to the Municipality. Under the Act as it stood at present the surplus proceeds of the fees were at the disposal of the Government, and hitherto a certain proportion had been made over to the Municipality. It did not seem to him to be necessary to bind the Government to make over the surplus to the Commissioners.

The motion was agreed to.

## REGISTRATION OF ESTATES.

The HON'BLE MR. REYNOLDS moved for leave to bring in a Bill to amend Bengal Act VII of 1876. The Government, he said, had been reluctant to ask the Council to amend a law which had so recently come into operation. But they were advised that the law as at present worded was in one point defective and might open the door to litigation, which it was desirable to avoid. He need not remind the Council that the whole principle of the Act of 1876 was that registration should be based upon the fact of possession. That was the principle of the former law, Regulation VIII of 1800, and it was also the principle of the Act of 1876. Accordingly, section 52 of that Act provided that if an applicant for registration applied to the Collector, and if the Collector found the fact of possession proved, he should register the applicant's name, but not otherwise. But the framers of the Act considered it a very important object that every acre of land in a district should be accounted for and registered as in the possession of some proprietor; and for this purpose provision was made for cases in which the proof of possession in respect of any property might not be absolutely satisfactory. And this was done by section 55 of the Act, which provided that if an application for registration was made, and the Collector was not satisfied that the applicant was in possession of the land in regard to which registration was asked for, he should make a summary enquiry as to the right to possession, and deliver over possession accordingly and make the necessary entry in the register. MR. REYNOLDS had no doubt that it was intended that the procedure under section 55 should be supplementary to that provided by section 52, and should never be had recourse to in cases in which the possession of any person was distinctly proved. But owing to some want of clearness in the wording, claims had been made under that section by persons who were decidedly not in possession of the land in respect of the registration of which application was made, whereas other persons were in adverse possession of the land; but relying upon the wording of section 55, such persons had required the Collector to adjudicate summarily the right to possession. It was certainly not intended that claims of that kind should be made under the section, but the wording of the section did not absolutely prohibit it. It was therefore necessary to amend the law by introducing a few words to show that the question of determining the right to possession could only be raised in cases in which it was not proved that any person was in possession.

With regard to this Bill, MR. REYNOLDS proposed to take the same course as with respect to the Bill to amend Bengal Act V of 1866. He now only asked for leave to introduce the Bill, and did not propose to refer it to a Select Committee, but would ask the Council to pass the Bill at its next meeting.

The HON'BLE THE ADVOCATE-GENERAL said that he entirely supported the measure which had been introduced by his hon'ble friend Mr. Reynolds. The words of the section which it was intended to amend were certainly open to objection, and not unlikely to be read in a manner not contemplated by the legislature. It was quite clear that the general intention of the Act was to grant registration only where actual possession was proved. But by the section under notice it was intended to provide summary investigation of title in cases where the person in possession had died intestate, and persons claiming adversely as heirs had respectively ostensible possession of certain portions of the property in respect of which registration was required by receipt of the rents thereof. It was to meet cases of that sort that section 55 of the Registration Act was framed. If section 52 and the section in question were read together carefully, there would not be much doubt as to what was the intention of the legislature; but as the section as it now stands was calculated to create some doubt, it was prudent to amend it at once, in order that the intention should be rendered clear, and that the officers of Government and the public at large should not be led into controversies which the Act was never intended to raise. Under the circumstances, the ADVOCATE-GENERAL thought the course proposed in bringing in this Bill to correct an error which was patent on the face of the law was a proper one.

The motion was agreed to.



## SETTLEMENT OF PRIVATE ESTATES.

The HON'BLE BABOO KRISTODAS PAL moved that the Bill to provide for the settlement of the rent of lands on the application of landholders or ryots be read in Council. At the last meeting of the Council he explained the object of the Bill which he then obtained leave to introduce. The details of the Bill were very few. As the present Bill proceeded upon the lines of the Bill which had already been passed by the Council defining the powers of settlement officers in regard to the enhancement of rent in Government Estates, he had endeavoured to accomplish his object by making the few provisions of this Bill fit into the provisions of that Act. In the first place he proposed that a mouzah should be the minimum limit of area for operations under this Bill, and that the mouzah should correspond with the same recorded in the Survey Register. Then it was provided that on the application of a landholder or a body of landholders, or of sharers registered under section 10 or 11 of Act XI of 1859, or (where the property was joint or undivided) on the application of landholders whose interests represented three-fourths of the property, the Collector shall appoint a Deputy Collector for the settlement of the rent of the land. When he referred to a body of landholders, he meant petty landholders who might have definite shares in a mouzah, but might not hold a mouzah wholly. In these cases, he thought, they ought to be allowed to combine and move the machinery of the law if they liked. In the same way ryots would be competent to move the Collector to appoint a Deputy Collector for the settlement of rents, if three-fourths of their body combined to make an application to the Collector. Then it was enjoined that, if all the shareholders in a mouzah did not join in the application, those who might refuse to join would not be entitled to enjoy the benefit of the law; if they wished to enhance the rent, they must go through the usual course of a civil suit, and be prepared to bear the cost of harassing litigation. Then section 5 authorized the Deputy Collector to exercise the necessary powers for settlement and also for measuring land, as far as practicable, in accordance with the provisions of Bengal Act VIII of 1869. Section 6 provided that where there might be a dispute as to the person liable to pay rent, the Deputy Collector should hold an enquiry and declare the person actually paying rent to be the person liable, or he might declare summarily who was the person liable to pay rent, subject to a suit in the civil court; so that, if an injustice were committed by the summary award, there would be room for redress. There would be thus two things for the Deputy Collector to determine—firstly, who was to pay the rent; and secondly, what amount.

Then the rent fixed by the Deputy Collector, unless reversed by the decision of a civil court, should have currency for ten years, so that the land might have rest for that period.

As the proceedings under this Bill would be initiated on the application of landholders or ryots, the cost should of course be borne by the applicants; that was to say, the whole of the cost of measurement, and so much of the salary of the Deputy Collector as would cover the time *bona-fide* spent in the conduct of the settlement. It would be necessary for the Board of Revenue to frame rules to calculate the cost of the proceedings, and in that view the Board would doubtless require the Deputy Collector to keep a diary, so as to ascertain what time he had devoted to this particular work, for it would not be fair if only one hour in the day was devoted to the work, to debit to it the whole salary of the Deputy Collector for that day. The Board, he proposed, would lay down rules on this subject which would be fair and equitable. At the same time BABOO KRISTODAS PAL thought the Government might see fit to remit the costs in special cases in which the public interests might require a re-settlement of an estate.

The provisions for the enhancement or abatement of rent were contained in sections 9 and 10 of the Bill. It was not proposed to vary the existing principles in any way. He wished he could suggest the modification of some of those principles which were vague, indefinite, and unworkable, but, as he had observed at the last meeting of the Council, the Government had not made up its mind on that subject, and he would not therefore tread upon that forbidden ground. He should, however, observe that

this Bill did not pretend to solve the problem of the enhancement of rent: so long as the principles upon which rent was to be enhanced were not definitely and satisfactorily settled, that problem could not be said to be solved. But if the Council thought fit, that much vexed question might be taken into consideration.

The remaining sections followed those of the Bill already passed by the Council with regard to the settlement of Government Estates, and he need not therefore enter into them. He did not propose that the Bill should be passed in a hurry. It would be published and forwarded to the Revenue Officers of the Government for opinion, and next winter the Bill would be revised in the light of the opinions which it was hoped would be received from both official gentlemen and the public in general. He concluded by remarking that he was indebted to his hon'ble friends Messrs. Reynolds and Mackenzie for the material help they had given him in settling the details of the Bill.

The motion was agreed to, and the Bill referred to a Select Committee, consisting of the Hon'ble the Advocate-General, the Hon'ble Mr. Mackenzie, the Hon'ble Mr. O'Kinealy, the Hon'ble Baboo Issur Chunder Mitter, the Hon'ble Rajah Pramatha Natha Roy, the Hon'ble Baboo Mohini Mohun Roy, and the mover.

The Council was adjourned to Saturday the 6th April.

#### STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARKS.	STOCKS IN HAND AS COMPILED ON—					
	30th October 1877.	1st week of December 1877.	1st week of January 1878.	1st week of February 1878.	1st week of March 1878.	1st week of April 1878.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghata ... ..	5,44,000	3,03,400	6,22,000	5,41,700	4,00,500	7,31,700
Goitadanga ... ..	66,200	45,400	39,900	44,400	48,000	52,600
Chitapore, Golabaree, Goomertooly, Hatkhola, and Culpay (Shât. Pathuriashatta, Posta, and Jorabagan Tollygunge, Chitlah, Kidderpore, and Moonahigunge.	8,03,100	4,32,900	3,62,900	3,37,900	4,00,700	4,47,200
21 Minor Bazars (estimated) ... ..	27,000	16,000	26,400	34,300	11,100	15,500
Other retail shops, 3,129 in number (estimated).	2,16,300	1,14,100	1,40,300	1,85,600	1,61,900	1,60,000
Boidyabatty, Nowabgunge, Bhudressur, and Chandernagore.	3,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
	1,00,000	75,000	37,182	43,957	64,004	29,294
Total ...	22,46,500	14,78,800	17,27,663	16,79,857	16,67,704	19,26,294
On Railway premises both sides the river.	18,524 (on 30th October.)	12,186 (on 3rd December.)	8,732 (on 4th January 1878.)	17,628 (on 3rd February.)	21,328 (on 3rd March.)	26,716 (on 1st April.)
On boats unloaded as by ... ..	1,03,386 (24th to 27th Oct.)	50,834 (1st to 3rd December.)	70,102 (2nd to 4th January.)	87,818 (1st to 3rd February.)	61,228 (1st to 3rd March.)	65,149 (30th March to 1st April.)
Port Commissioners' returns ... ..	43,285 (24th to 27th Oct.)	16,819 (1st to 3rd December.)	1,21,649 (2nd to 4th January.)	1,10,042 (1st to 3rd Feb.)	84,656 (1st to 3rd Mar.)	19,538 (30th March to 1st April.)
Grand Total of Stocks ...	24,11,079	16,59,632	19,28,045	18,95,345	18,34,915	20,87,097
Probable stocks available for exportation by sea.	12½ lakhs.	5 lakhs.	8½ lakhs.	8½ lakhs.	7½ lakhs.	9½ lakhs.

A. MACKENZIE, \*

Secy. to the Govt. of Bengal.

The 2nd April 1878.

The following Statement shows the quantities of the principal staples of Traffic imported into Calcutta from the interior during the month of February 1878.

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							Jute.	OIL-SEEDS.		Cotton, raw.	Silk, raw.
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.		Linseed.	Mustard seed.		
	Rice.	Paddy.*	Total (in rice).									
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan ...	3,11,406	2,650	3,13,062	1,314	1,139	...	3,15,514	...	47	540	...	44
Beerbhoom ...	31,005	...	31,005	...	121	...	32,026	...	...	...	...	191
Midnapore ...	1,46,544	56,987	1,81,952	...	300	...	1,82,252	700	...	40	...	105
Hooghly ...	88,491	6,403	94,894	3,105	3,446	...	99,103	34,376	17,033	1,453	280	110
24-Pergunnahs ...	5,18,415	68,511	5,86,926	812	4,352	...	5,62,803	23,667	3,033	530	533	159
Nuddea ...	49,436	22	49,458	2,854	1,13,239	3,137	1,62,090	13,426	4,405	615	130	623
Jessore ...	50,045	1,725	51,770	...	6,185	...	57,955	25,365	...	...	20	...
Moorsheadabad ...	38,023	...	38,023	4,184	13,760	...	55,967	828	1,905	3,304	...	330
Dinagopore ...	1,519	...	1,519	...	...	...	1,519	6,798	...	...	...	...
Rajahmahye ...	767	...	767	1,479	7,650	...	9,896	5,238	...	200	...	21
Runkpore ...	1,540	...	1,540	...	...	...	1,540	12,735	...	...	...	...
Bozra ...	6,209	...	6,209	...	...	...	6,209	...	...	...	...	...
Pubna ...	6,002	...	6,002	...	300	...	7,292	2,40,196	1,717	1,500	...	...
Julpigoree ...	...	...	...	...	...	...	...	117	...	...	...	...
Dacca ...	56,923	...	56,923	...	1,072	...	57,995	2,43,839	...	201	...	...
Furroedpore ...	1,80,452	...	1,80,452	0	4,225	...	1,81,889	1,50,006	770	854	...	...
Backergunze ...	5,82,423	900	5,83,323	...	50	...	5,83,036	618	...	...	...	...
Mymensingh ...	8,402	...	8,402	...	800	...	9,002	37,054	...	...	...	...
Tipporah ...	12,395	...	12,395	...	...	...	12,395	...	...	...	14	...
Chittazong ...	639	...	639	...	...	...	639	...	...	...	...	...
Noakholly ...	6,580	...	6,580	...	...	...	6,580	...	...	...	...	...
Total of Bengal	20,92,919	1,32,178	21,75,400	13,317	1,56,531	3,137	23,48,445	8,04,013	28,900	9,237	957	1,583
BEHAR.												
Patna ...	574	...	574	3,404	12,906	5,249	22,133	...	26,390	23,366	...	...
Shahabad ...	...	...	...	1,840	2	222	2,064	...	1,508	10	...	...
Mozafferpore ...	1,050	...	1,050	...	394	1,858	3,302	...	10,969	1,555	...	...
Durbhanga ...	...	...	...	430	...	...	430	...	10,779	1,201	...	...
Saran ...	622	...	622	1,782	3,005	...	5,440	...	3,366	...	...	...
Monghyr ...	275	...	275	13,921	20,200	...	34,396	1,100	7,498	4,534	...	...
Bhagalpore ...	981	...	981	20,115	1,878	2,560	25,543	...	4,587	5,440	...	...
Purneah ...	1,017	...	1,017	2,221	100	...	3,338	...	6,134	3,767	...	...
Maldah ...	1,396	...	1,396	2,107	934	...	4,437	3,171	106	...	...	...
Sonthal Pergunnahs ...	3,111	...	3,111	2,583	267	438	6,404	...	1,491	4,028	...	62
Total of Behar	9,026	...	9,026	48,403	39,686	10,336	1,07,456	3,271	72,628	48,898	...	62
ORISSA.												
Cuttack ...	8,286	...	8,286	...	...	...	8,286	810	...	...	...	...
Balasore ...	18,351	19,961	30,826	...	...	...	30,826	524	...	...	...	...
Total of Orissa	26,637	19,961	39,112	...	...	...	39,112	1,334	...	...	...	...
CHOTA NAGPORE.												
Hazareebagh ...	...	...	...	...	...	...	...	...	6	715	...	...
Manbhoom ...	257	...	257	...	...	...	257	...	...	...	...	...
Total of Chota Nagpore	257	...	257	...	...	...	257	...	6	745	...	...
Grand total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	21,28,769	1,52,130	22,23,855	61,725	1,96,217	13,473	24,05,370	8,09,618	1,01,534	59,890	957	1,644
OTHER PROVINCES.												
Assam ...	5,550	...	5,550	...	...	...	5,550	2,801	...	5,958	...	...
North-Western Provinces ...	...	...	...	29,861	4,126	1,170	35,117	...	20,048	29,448	67,007	...
Punjab ...	...	...	...	28,303	3,539	...	31,842	...	...	1,076	13,730	...
Central Provinces ...	...	...	...	...	...	...	...	...	361	...	1,384	...
Rajpootana States ...	...	...	...	...	...	...	...	...	...	...	14,164	...
Bombay ...	...	...	...	...	30	...	30	...	...	...	1,089	...
Madras ...	50	...	50	...	...	...	50	...	...	...	184	233
Other places ...	39	...	39	...	...	...	39	553	...	...	...	...
Grand total { In Feb. 1878	21,34,408	1,52,130	22,29,494	1,10,880	2,03,912	14,043	25,67,938	8,12,972	1,27,043	95,402	88,515	1,867
of imports { In Feb. 1877	20,57,916	39,402	20,92,580	4,08,645	1,33,818	37,752	35,62,793	3,26,674	81,844	1,00,930	1,23,806	1,976

\* A maund of paddy is equivalent to 25 seers of rice.

The Sea-borne Trade of Calcutta in these staples during the month of February 1878 was as follows:—

EXPORTED FROM CALCUTTA.—	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
To Indian ports, viz.												
Madras ...	2,18,922	2,036	2,20,104	189	10,210	1,474	2,32,066	...	...	...	...	624
Other ports in Madras ...	99,172	...	99,172	...	...	...	99,172	...	...	...	...	39
Bombay ...	7,04,994	25,234	8,00,756	...	3,078	...	8,13,734	6,837	...	...	...	23
Other Indian ports ...	4,594	...	4,594	5,558	4,124	...	14,276	461	...	3	1	19
Total of interportal trade ...	11,16,672	27,270	11,33,716	5,744	18,312	1,476	11,59,248	7,298	...	3	1	704
To Foreign ports—												
United Kingdom ...	54,172	16	54,182	8,097	552	...	62,831	3,82,091	2,12,819	39,525	293	423
Other foreign ports ...	7,48,111	1,810	7,49,275	28,614	38,119	40,016	8,56,024	85,500	23,297	16,704	4,445	635
Total of foreign trade ...	8,02,316	1,826	8,03,457	36,711	38,671	40,016	9,18,855	4,67,597	2,36,116	50,220	4,738	1,058
Grand total { In Feb. 1878	19,18,984	29,096	19,37,173	42,465	60,993	41,492	20,78,103	4,74,895	2,36,116	50,222	4,739	1,761
{ In Feb. 1877	20,57,980	4,100	20,60,542	2,21,148	1,29,443	38,798	32,49,936	2,82,678	1,38,049	29,170	96,523	2,061

\* Taken from the monthly returns of the Custom House, where no information was then available of short shipments and relands as regards grains shipped to free ports.

The following Statement shows the several Routes followed by the trade in the principal staples of Traffic imported into Calcutta during the month of February 1878.

## IMPORTS INTO CALCUTTA

Specification of routes.	FOOD-GRAINS.					Jute, raw.	OIL-SEEDS.		Cotton, raw.	Silk, raw
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.		Linseed.	Mustard seed.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	15,17,422	1,21,410	50,889	99,451	700	3,19,425	77,338	28,752	462	123
" river steamers ...	1,570	235	68,021	25,021	10,803	1,23,691	8,631	8,631	...	...
" rail { East Indian Railway	1,98,687	...	61	73,109	3,037	3,41,363	47,558	66,467	72,704	585
" Eastern Bengal Railway	2,44,112	11,233	312	4,429	...	26,606	2,141	1,469	495	643
" road ...	1,53,111	10,201	...	...	...	1,897	...	83	14,794	245
" sea ...	10,504	...	...	...	...	...	...	...	...	223
Grand total of imports. { In Feb. 1878 ...	21,34,408	1,52,136	1,19,880	2,03,012	14,643	8,12,972	1,27,943	95,402	88,515	1,867
{ In Feb. 1877 ...	20,57,016	39, '63	4,08,045	1,33,818	37,752	3,26,874	81,844	1,00,030	1,23,806	1,976

The following Statement shows the quantities and values of the principal staples of Traffic exported inland from Calcutta during the month of February 1878.

## EXPORTS FROM CALCUTTA

Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
<b>BENGAL.</b>				<b>CHOTA NAGPORE.</b>			
	Rs.	Mds.	Mds.		Rs.	Mds.	Mds.
Burdwan ...	3,25,977	1,772	27,620	Hazareebagh ...	11,806	16	5,078
Beerbhoom ...	85,432	508	8,841	Marbhoom ...	37,130	151	1,524
Midnapore ...	9,557	587	3,208	Total of Chota Nagpore ...	48,436	167	6,597
Hooghly ...	1,85,882	2,107	7,737	Grand total of supplies into the provinces under the Lieutenant-Governor of Bengal. }	60,10,050	17,472	4,11,608
24-Pergunnahs ...	1,84,185	901	10,623	<b>OTHER PROVINCES.</b>			
Nudda ...	7,15,470	1,919	8,642	Assam ...	4,23,525	217	21,397
Jessore ...	4,304	71	11,560	N. W. Provinces ...	12,17,546	2,547	9,125
Moorshedabad ...	1,59,728	278	10,547	Punjab ...	6,61,584	1,930	...
Dinapore ...	...	...	2,550	Central Provinces ...	60,004	168	...
Rajshahye ...	...	8	2,100	Rajpootana States ...	73,396	51	...
Itanpore ...	59,180	12	...	Bombay ...	35,876	43	1,127
Pubna ...	81,934	304	57,002	Madras ...	88,077	045	...
Julpigee ...	1,02,680	154	200	Other places ...	3,80,564	2,259	3
Cooch Behar ...	...	...	1,400	Grand total of { In Feb. 1879 exports. }	89,53,848	25,368	4,43,260
Dacca ...	5,38,030	3,241	40,624	{ In Feb. 1877 ...	1,00,10,069	13,039	4,66,731
Furzedpore ...	3,62,000	659	38,009	<b>EXPORTS FROM CALCUTTA IN THESE STAPLES DURING THE MONTH OF FEBRUARY 1878 WAS AS FOLLOWS:—</b>			
Hackergunge ...	92,620	180	18,487	<b>IMPORTED INTO CALCUTTA:—</b>			
Mymensingh ...	...	...	7,000	<b>From Foreign Ports (viz.)—</b>			
Tippurah ...	1,000	71	1	United Kingdom ...	82,83,645	2,810	5,51,289
Chittagong ...	46,450	65	2,192	Other foreign ports ...	11,055	257	60,463
Noakhully ...	1,950	...	...	Total of foreign trade ...	82,94,700	3,067	6,20,744
Total of Bengal ...	32,61,839	12,903	2,63,643	<b>From Indian Ports—</b>			
<b>BEHAR.</b>				Madras ...	703	...	...
Patna ...	10,02,014	570	80,272	Other ports in Madras ...	71,075	6,468	8,000
Shahabad ...	2,05,290	18	22,330	Bombay ...	2,295	4	30,711
Mozufferpore ...	1,14,750	...	254	Other Indian ports ...	...	...	...
Durbhanga ...	2,24,944	316	3,122	Total of interport trade ...	74,073	6,472	47,711
Monchyr ...	1,55,210	280	5,585	Grand total { In Feb. 1878 ...	83,68,773	9,339	6,68,465
Bhagulpore ...	2,98,381	543	9,916	{ In Feb. 1877 ...	77,38,210	17,297	6,80,347
Purneah ...	5,10,680	443	800	<b>EXPORTS FROM CALCUTTA DURING THE MONTH OF FEBRUARY 1878.</b>			
Maidah ...	500	...	3,700	<b>Specification of routes.</b>			
Sonthal Pergunnahs ...	2,37,364	549	6,065		Cotton piece-goods (European).	Cotton twist (European).	Salt.
Total of Behar ...	25,29,085	2,759	1,41,074		Rs.	Mds.	Mds.
<b>ORISSA.</b>					1,94,929	1,305	1,99,106
Cuttack ...	1,45,540	633	23		5,88,913	310	7,932
Balasore ...	25,150	620	271		51,88,287	10,987	1,00,805
Total of Orissa ...	1,70,690	1,553	294		19,79,760	6,215	32,076
					3,15,762	2,911	10,026
					6,86,185	4,520	1,425
				Grand total of exports ... { In Feb. 1878 ...	89,53,818	25,368	4,43,260
				{ In Feb. 1877 ...	1,00,10,069	13,039	4,66,731

\* As per traffic declaration value.

The following Statement shows the several routes followed by the Trade in the principal staples of Traffic exported from Calcutta during the month of February 1878.

Specification of routes.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
	Rs.	Mds.	Mds.
By country boats ...	1,94,929	1,305	1,99,106
" river steamers ...	5,88,913	310	7,932
" rail { East Indian Railway	51,88,287	10,987	1,00,805
" Eastern Bengal Railway	19,79,760	6,215	32,076
" road ...	3,15,762	2,911	10,026
" sea ...	6,86,185	4,520	1,425
Grand total of exports ... { In Feb. 1878 ...	89,53,818	25,368	4,43,260
{ In Feb. 1877 ...	1,00,10,069	13,039	4,66,731

STATISTICAL DEPARTMENT,  
The 1st April 1878.

A. MACKENZIE,  
Secretary to the Government of Bengal.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 30th March 1878.

No.	District. and date of return.	Rainfall at Sudden Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BUBDWAN DIVN.	1 Burdwan, Mar. 30 '78	Nil	The winter crops are nearly gathered. Cholera and small-pox are still reported from various parts of the district.
	2 Bankoora, „ 30 „	Nil	The weather has become excessively hot. There was very little rain in the interior on the 21st March. A good deal of ploughing has been done. A good deal of small-pox is reported.
	3 Beerbhoom, „ 30 „	Nil	Weather—very hot and warm. The few crops on the ground are doing very well.
	4 Midnapore, „ 30 „	Nil	Weather—hot and seasonable. No crops on the ground at present. Cholera prevails in Tumlook, and cholera and small-pox in Ghattal.
	5 Hooghly, „ 30 „	Nil	Weather—very warm. Rain is wanted to facilitate ploughings for <i>aus</i> . The newly planted sugarcane is doing well. Cholera in a sporadic form is reported from the Hooghly and Chinsurah Municipality, as well as in the interior.
	Howrah, Apl. 1 „	Nil	Weather—getting rapidly hotter. No change to report in the state and prospects of the crops. Sugarcane is still being cut, and a little cultivation is going on.
<i>Central Districts.</i>			
PRESIDENCY DIVN.	6 24-Pergunnahs, Mar. 30 '78	Nil	Weather—warm. Ploughing for <i>amun</i> has commenced, but rain is wanted. Cholera and fever are prevailing in many places.
	7 Nuddea, „ 30 „	Nil	Weather—very hot in the day. Hot breeze at night. The cold-weather crops are all harvested, and the fields are being prepared for the sowing of <i>aus</i> rice. Prices are still high. Cholera has appeared in parts of the district.
	8 Jessore, „ 30 „	Nil	Weather—hot and dry. The low land sowings are doing well, but more rain is much needed.
	9 Moorshedabad, „ 30 „	Nil	Weather—hot. State and prospects of the crops are fair.
RAJSHAHYE AND COCH BEHAR DIVN.	10 Dinagepore, Mar. 29 '78	Nil	Weather—hot and blowing. The ground is being prepared for the rice crop.
	11 Rajshahye, „ 30 „	Nil	No rain during the week. The weather is excessively sultry for the time of year. The crops are much in want of rain, and damage to them is feared if there be not a fall before long. The cutting of the <i>chaitali</i> crops and the sowing of <i>til</i> and early <i>dhan</i> are going on. Cases of cholera have been reported from Bagmara and Beaulah town.
	12 Itanagpore, „ 29 „	Nil	The weather has become suddenly much warm. Prospects of the crops are good. Cholera is scattered about in the district, otherwise the public health is good.
	13 Bogra, „ 30 „	Nil	Weather—hot, with west wind. Nothing to report about the crops. A few sporadic cases of cholera have been reported.
	14 Pubna, „ 30 '78	Nil	Weather—getting much warmer. No rain fell during the week. Nothing particular to report on the state and prospects of the crops; but rain is much wanted. The price of rice is already very high. Some cases of cholera have been reported.
	15 Darjeeling, „ 30 „	0.06	Squally weather, with thunder and lightning and a little rain. In the Terai the land is being prepared for the sowing of <i>bhadai</i> rice, and in some places seed has been cast. In the Hills the young crops of Indian-corn and the millets ( <i>murra</i> , <i>kagone</i> , and <i>sama</i> ) are doing well.
	16 Julpigoree, „ 30 „	Nil	Weather—very hot during the first half of the week; now cool and pleasant. Nothing to report about the crops, but rain would be of advantage, as more usually falls at this period than there has been this year.
	Cooch Behar, „ 27 „	Nil	Weather—very hot for the season. <i>Bitri dhan</i> is being sown. Tobacco is still being cut. Rain is threatening, and this will injure the uncut tobacco, but will benefit the <i>bitri</i> sowings. The price of rice has risen to Rs. 3-12 per maund. Public health is good.
<i>Eastern Districts.</i>			
DACCA DIVN.	17 Dacca, Mar. 30 '78	0.10	Weather—very hot, but cooler during the last two days in consequence of a very high wind from the south-east. The prospects of the crops are good. The sowing of paddy is reported to be over in Moonsheegunge.
	18 Farreedpore, „ 30 „	Nil	Weather—hot, with a strong breeze from the south-west, sometimes approaching the character of a hot wind. Prospects of the crops are fair, but rain is required.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.—(Contd.)</i>			
CHITTAGONG DIV.	19 Backergunge, Mar. 28 '78	Nil	Weather—hotter than usual. Rain is wanted both for the crops on the ground and for ploughing. The public health has not been good. There have been deaths from cholera, small-pox, and fever in many parts of the district.
	20 Mymensingh, „ 29 „	Nil	Equinoctial storms are threatening. Ploughing is in progress.
	21 Tipperah, „ 29 „	Nil	Weather—fair, getting gradually hotter. <i>Boro dhan</i> promises well.
	22 Chittagong, „ 28 „	Nil	There have been strong winds during the last few days. The nights are cool. The prospects of the cold-weather crops are good. The mangoes were blighted by fogs a fortnight ago. Rice is selling from 10 to 16 seers per rupee.
	23 Nonkholly, „ 28 „	Nil	Weather—seasonable. State and prospects of the crops are favorable. The cultivators are very busy in preparing their lands for the early rice crop. Public health is generally good.
	24 Chittagong Hill Tracts, „ 26 „	Nil	Weather excessively hot at noon throughout the week. The hill people have begun to burn their <i>jooms</i> . The <i>aus</i> paddy plants are being transplanted. The gathering of tobacco still continues.
	Hill Tipperah, „ 27 „	Nil	There has been no rain during the week, and the heat is increasing. The only crop on the ground is <i>boro rice</i> , which is doing well. Cholera has somewhat subsided.
<b>BEHAR.</b>			
PATNA DIV.	25 Patna, Mar. 30 '78	Nil	Weather—unusually hot. Strong westerly winds prevail. The <i>rubbee</i> harvest is nearly over and the grain is being threshed out. Wheat and barley will give a fair outturn, but the general result of the <i>rubbee</i> harvest is anything but satisfactory, owing to the almost total destruction by caterpillars of <i>masoor</i> , peas, and other pulses, and the partial destruction of gram and linseed. Poppy and <i>rahur</i> have suffered from the same cause, and the general prospects of the people are anything but bright, especially in the Sudder sub-division. Cholera has appeared in Barh sub-division, but not in an epidemic form. There have also been a few cases in the Sudder sub-division, but it has not assumed an epidemic form.
	26 Gya, Aurungabad „ 30 „	Nil 0.08	Het weather is well established. Maximum thermometer in the shade 107.4°. The <i>rubbee</i> harvest is promising. It is reported as half over in Nowada with an average outturn. The general average of the district is, however, believed to be under 8 annas. Hail has done some harm in Aurungabad to crops already much injured by insects. After an unusually healthy season hitherto, cholera has appeared in Gya town.
	27 Shahabad, „ 30 „	Nil	Weather—hot, with westerly wind. The harvesting of the <i>rubbee</i> crops is nearly over. As observed in the previous week, these crops have been greatly damaged by caterpillars and blight. Sugarcane is being planted. Public health is generally good. In the Bhuboonah sub-division, however, the occurrence of a few cases of small-pox has been reported.
	28 Durbhunga, „ 30 „	Nil	The mornings are still cool, but the days are hot, with strong westerly wind. The <i>rubbee</i> crops are nearly harvested. The outturn is expected to be up to the average; but on this head special information will be furnished in a later report. Cholera has been reported from some villages towards the east.
	29 Mozufferpore, „ 30 „	Nil	Weather—warm, with strong west wind. The <i>rubbee</i> crops are being harvested with a fair outturn. Indigo sowing is very unfavourable. Mango continues to be promising.
BHAGULPORE DIVISION.	30 Saran, „ 30 „	Nil	Weather—hot, with strong west wind and dust-storms during the middays. There has been no rain during the week. The bulk of the <i>rubbee</i> crops has been gathered; the outturn will be 12 annas. The spring crops are coming on well, but rain is urgently required to promote their growth. Prices are stationary. Public health is good.
	31 Chumparan, „ 30 „	Nil	Weather—getting very hot. The prospects of the crops still continue the same. Indigo sowings have been completed; the prospects are not good; the plant lacks moisture.
	32 Monghyr, „ 30 „	Nil	Weather—hot, with west wind. The <i>rubbee</i> crops are being reaped with a good outturn.
	33 Bhagulpore, „ 30 „	Nil	Weather—hot, with strong westerly wind. No crops on the ground at present. The mango gives a good promise. Cholera is rapidly spreading.
	34 Purneah, „ 30 „	Nil	Weather—dry and hot, with westerly wind. The <i>rubbee</i> crops have been good. The <i>bhadai</i> and <i>aghani</i> cultivation is progressing favourably.
	35 Muldah, „ 30 „	Nil	Weather—becoming hot. State and prospects of the crops continue to be satisfactory. Prices are very high. Course rice is selling at 12 seers per rupee in many places. Cholera has much abated.
	36 Sonthal Pergha, „ 31 „	Nil	Weather—getting very hot. The outturn of wheat has been rather less than the average, and that of <i>rahur</i> has been average. There is hardly anything now standing on the ground. Cholera and small-pox still continue at Deoghur, though in a less degree. They have disappeared from Doonka.

No.	District, and date of return.		Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
ORISSA.				
Orissa Divs.	37	Cuttack Mar. 30 '78	Nil	Weather—fine and hot. The <i>dalua</i> crop is ripening and the cutting has commenced in some places. A few cases of cholera have been reported.
	38	Pooree, „ 28 „	Nil	Weather—warm for the season. At Pooree the sky appears to promise an early fall of rain. <i>Dalua</i> rice and <i>moong</i> are being reaped. Rain is wanted for ploughing. Exportation of rice is still going on. Common rice costs a rupee for 10½ to 15½ seers, and in the salt tracts for 10½ seers, being cheaper there than in the previous week. Water in the wells and tanks is failing. In parts of Gope in the east of the district, where the loss of crops was heavy, the dearthness of rice is felt severely by the labouring classes. Cholera is reported.
	39	Balasore, „ 29 „	Nil	Weather—very hot and dry. Ploughing for the new crop proceeds. Sporadic cholera is frequent.
CHOTA NAGPORE.				
South-West Frontier Agency.				
40	Hazareebagh, Mar. 29 '78	0·02	Weather—seasonable and very warm. The settled weather of the week has considerably improved the prospects of the <i>mohwa</i> , which is now being rapidly gathered. A continuation of the present weather is much to be desired.	
41	Lohardugga, „ 30 „	Nil	The weather has been seasonable during the week and the prospects of the <i>mohwa</i> crop are now good, and the <i>rubbee</i> crops do not appear to have been so much damaged by last week's rain and hail as was then reported.	
42	Singbhoom, „ 29 „	Nil	Weather—seasonable. Nothing to report about the crops. The district is healthy.	
43	Manbhoom, „ 30 „	Nil	Weather—seasonable. It is hotter than in the corresponding month of last year. There is not much to report about the crops. The <i>mohwa</i> , which has not been lost, will be benefited by the steady heat, if the latter only continues. Tentative relief works at low rates have been opened in the west of the district. It is too early to judge to what extent they will attract labour. Cholera seems to have ceased in the town of Purulia for the time. An outbreak of small-pox and a few cases of cholera have been reported from the north of the district.	

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 2nd April 1878.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

**RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE  
UNDERMENTIONED DISTRICTS OF BENGAL FOR THE FORTNIGHT  
ENDING 31<sup>ST</sup> MARCH 1878.**



RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.		DISTRICTS.		QUANTITIES PER RUPEE BY																							
				WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BUKRUSH MILLET— CUMBOO, BAJRA.											
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
BENGAL.																											
Western Districts.																											
1	Burdwan	...	...	...	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
				A	11 8	11 4	18 0	17 0	22 0	30 0	13 8	12 0	18 0	14 12	12 8	21 4	...	...	...	...	...	...	...	...			
2	Bankoora	...	...	...	B	12 8	12 8	23 0	18 0	18 0	28 0	12 8	12 8	25 0	16 8	17 0	30 0	...	...	...	...	...	...	...			
3	Beerbhoom*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
4	Midnapore	...	...	...	13 0	12 0	17 0	...	...	...	13 0	13 0	20 0	14 0	16 0	26 0	...	...	...	...	...	...	...	...			
5	Hooghly	...	...	...	C	12 0	12 0	16 0	...	...	...	8 0	9 0	{ 11 0 to 11 8 }	10 0	12 8	{ 18 8 to 19 0 }	...	...	...	...	...	...	...			
	Howrah	...	...	...	12 4	12 0	14 0	...	...	...	9 8	10 0	13 0	10 8	12 8	16 0	...	...	...	...	...	...	...	...			
Central Districts.																											
	Calcutta	...	...	...	11 12	11 12	17 0	16 0	14 8	25 0	5 8	7 0	9 0	10 4	11 10	13 0	...	...	...	...	...	...	...	...			
6	24-Pergunnah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
7	Nuddea	...	...	...	12 5	12 5	17 4	18 5	20 0	...	10 10	10 10	15 4	11 0	11 10	16 7	...	...	...	...	...	...	...	...			
8	Jessore	...	...	...	D	11 4	11 0	14 0	...	...	...	10 0	11 8	14 0	11 0	13 0	20 0	...	...	...	...	...	...	...			
9	Moorahedabad*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
10	Dinagopore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
11	Rajshahye*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
12	Rungpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
15	Bogra*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
14	Pubna	...	...	...	E	13 8	10 8	18 12	...	...	...	6 0	8 0	12 0	12 0	12 0	23 8	...	...	...	...	...	...	...			
16	Darjeeling*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
16	Julpigoree	...	...	...	F	10 0	10 0	13 3	...	...	...	11 7	12 0	14 0	13 3	16 0	20 0	...	...	...	...	...	...	...			
Eastern Districts.																											
17	Dacca*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
18	Furreedpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
19	Backergunge*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
20	Mymensingh*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			

\* Returns not received.  
A In the interior the prices range as follow :—Wheat 10 to 12½ seers, best rice 11 to 15 seers, common rice 12 to 16 seers, and gram 11½ to 21 seers.  
B In the interior the prices range as follow :—Wheat 11½ to 13 seers, barley 18 to 30 seers, best rice 12 to 17 seers, common rice 12 to 18 seers, maize or Indian-corn 18 to 30 seers, and gram 12 to 16 seers.

undermentioned Districts of Bengal for the Fortnight ending 31st March 1878.

THE SEER OF 80 TOLAHS.

GRANAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN CORN.			GRAM.			FINEWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return	Corresponding return of last year.	
BENGAL.																		Western Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	
...	...	...	...	...	...	...	...	...	12 8	13 4	23 8	120 0	120 0	160 0	9 0	8 12	9 4	Burdwan.
...	...	...	...	...	...	30 0	30 0	40 0	12 0	12 0	18 0	440 0	440 0	480 0	8 8	8 8	8 12	Bankoora.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Peerbhoom.*
...	...	...	...	...	...	...	...	...	12 0	14 0	18 0	180 0	180 0	260 0	8 8	9 0	9 0	Midnapore
...	...	...	...	...	...	...	...	...	13 0	16 0	18 0	120 0	120 0	120 0	9 0	9 0	9 0	Honghly.
...	...	...	...	...	...	...	...	...	14 0	11 0	20 0	80 0	80 0	120 0	9 8	9 8	10 0	Howrah.
Central Districts.																		Central Districts.
13 5	11 10	20 0	...	...	...	...	...	...	13 4	14 8	18 4	90 0	100 0	100 0	8 0	8 0	8 0	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Calcutta.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21-Pergunnahs.*
...	...	...	...	...	...	...	...	...	14 8	16 0	29 1½	120 0	120 0	120 0	8 14	8 14	8 10½	Nuddea.
...	...	...	...	...	...	...	...	...	14 0	16 0	20 0	110 0	110 0	120 0	8 0	8 0	8 0	Jessore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Moorshedabad.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dinapore.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rajshahye.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rungpore.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bogra.*
...	...	...	...	...	...	...	...	...	12 0 to 15 0	10 8	18 0	200 0	300 0	200 0	8 8	8 8	9 0	Pabna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.*
...	...	...	...	...	...	...	...	...	10 0	10 0	13 3	64 0	64 0	100 0	7 2	7 5	8 0	Julpigoree
Eastern Districts.																		Eastern Districts.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dacca.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Furreedpore.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Backergunge.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mymensingh.*

- C In the interior the prices range as follow :—Wheat 12 to 18½ seers, barley 12 to 18 seers, best rice 7 to 11 seers, common rice 10 to 13 seers, and gram 12 to 13 seers.
- D In the interior the prices range as follow :—Wheat 8 to 10 seers, best rice 9 to 13 seers, common rice 10 to 14 seers, and gram 10 to 14 seers.
- E In Serajgunge the prices are—Wheat 11 seers, best rice 7 seers, common rice 12 seers, and gram 12 seers.
- F In the interior the prices range as follow :—Wheat 10 seers, best rice 8 to 10½ seers, common rice 10½ to 17 seers, and gram 8 to 10½ seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			HULRUSH MILLET— CUMBOO, RAJEA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—(Contd.)																									
21	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Noakholly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Tipperah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Chittagong Hill Tracts*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR.																									
25	Patna	...	...	...	15 8	16 0	21 0	20 0	21 0	35 0	9 8	10 0	15 8	15 8	16 0	21 8	...	...	...	...	...	...	...	...	...
26	Gya*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	Shahabad*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28	Darbhanga*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29	Muzafferpoore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Suran	...	...	...	12 0	11 8	17 0	19 0	21 0	32 0	7 4	7 12	10 8	11 0	13 0	18 8	...	...	...	...	...	...	...	...	...
31	Chumparan*	...	...	...	G	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Monghyr	...	...	...	13 6	15 7	19 9	16 8	16 8	31 5	8 4	8 4	13 6	10 5	12 6	21 0	...	...	...	...	...	...	...	...	...
33	Bhugulpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34	Purneah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35	Maldah	...	...	...	14 0	14 0	20 0	30 0	30 0	45 0	12 0	14 0	23 0	13 0	15 0	27 0	15 0	...	...	...	...	...	...	...	30 0
36	Sonthal Pergunnahs*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ORISSA.																									
37	Cuttack*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Balasore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																									
South-Western Frontier Agency.																									
40	Hazareebagh	...	...	...	H	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41	Lohardugga*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42	Singbhoom*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
43	Manbhoom*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

\* Returns not received.

G In Begu Serai the prices are—Wheat 16·7 seers, barley 21 seers, best rice 8·9 seers, common rice 13·6 seers, great millet 18·6 seers, lesser millets 21 seers, maize or Indian-corn 18·9 seers, and gram 16·8 seers.

CALCUTTA,  
The 2nd April 1878.

mentioned Districts of Bengal for the Fortnight ending 31st March 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GRAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN- CORN			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakholly.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.*
BEHAR.																		
...	...	...	...	...	...	19 0	20 0	35 0	17 8	21 0	30 0	150 0	150 0	140 0	8 0	8 0	8 0	Patna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Gya.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Shahabad.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Durbhunga.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Muzafferpoore.*
16 0	17 8	35 0	18 0	18 0	30 0	16 4	17 8	34 0	13 0	13 8	22 0	100 0	100 0	100 0	8 0	8 0	8 0	Sarun.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Champarnn.*
...	...	...	...	...	...	16 8	16 8	26 2	14 7	18 9	31 5	147 0	120 0	126 0	8 4	8 4	8 4	Monghyr.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bhagulpore.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Purneah.*
...	...	...	...	...	...	...	23 0	45 0	15 0	16 0	25 0	120 0	120 0	130 0	8 8	8 0	8 4	Maldah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Pergha.*
ORISSA.																		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.*
CHOTA NAGPORE.																		
South-Western Frontier Agency.																		
...	...	...	18 0	18 0	33 0	16 4	16 8	30 0	11 12	18 0	19 0	240 0	240 0	240 0	8 0	8 0	8 0	Hazareebagh.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lohardugga.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singbhoom.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Manbhoom.*

H In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 18 to 22 seers, best rice (at Chuttra) 9 seers, common rice 12 to 13 seers, maize or Indian-corn 14 to 18 seers, and gram 12 to 15 seers.

Published for general information.

A. MACKENZIE.  
Secy. to the Govt. of Bengal.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 6 8	3 5 0	...	2 4 0	2 13 6	...	7 0 0	5 8 0	...	3 13 0	3 7 9	...	...	...	...
2	Serajgunge ...	3 8 0	3 8 0	...	...	...	...	5 0 0	3 0 0	...	3 0 0	2 14 0	...	...	...	...
3	Dacca*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Naraingunge*.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Chittagong*...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	2 10 0	2 8 0	...	2 0 0	1 14 3	...	4 3 6	4 0 0	...	2 10 0	2 8 0	...	...	...	...
7	Balañore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Poorree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

\* Returns not received.

CALCUTTA,  
The 2nd April 1878.

in the undermentioned *Marts* of Bengal for the fortnight ending 31st March 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLET— RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 0	3 7 9	...	...	...	...	...	...	...	2 12 0	2 12 6	...	0 7 0	0 7 0	...	4 4 0	4 0 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	...	...	...	...	4 6 1	4 6 0	...	Serajgunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dacca.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Namingunge.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	2 3 6	2 0 0	...	2 4 6	1 14 3	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.*

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.

Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

Divisions.	Districts.	Stations.	Rain from 10th to 16th March 1878.	Rain from 17th to 23rd March 1878.	Rain from 1st January 1878.	Remarks.
			Inches.	Inches.	Inches. Up to date.	
BENGAL.	WESTERN DISTRICTS.				1878.	
		Burdwan ... ..	0.18	0.87	1.34	23rd Mar
		Cutwa ... ..	0.05	0.40	1.46	ditto
		Culna ... ..	0.14	Nil	1.78	ditto
		Bodd-Bodd ... ..	0.40	0.80	1.70	ditto
		Raneegunge ... ..	0.02	Not recd.	0.51	16th Mar.
		Jehanabad ... ..	0.51	1.22	2.85	22nd Mar.
		Bankoora ... ..	0.19	2.83	5.22	ditto
		Sooree ... ..	0.10	0.32	1.36	ditto
		Hetampore ... ..	0.05	Nil	0.31	ditto
		Roypore ... ..	Nil	ditto	0.20	ditto
		Midnapore ... ..	0.25	1.00	2.19	ditto
	CENTRAL DISTRICTS.	Tumlook ... ..	0.20	1.01	2.50	ditto
		Ghattal ... ..	1.18	0.41	3.84	ditto
		Contn... { Dy. Collr.'s Office...	0.28	0.77	1.40	ditto
		Contn... { Exe. Engr.'s Office	Nil	1.17	1.64	ditto
		Hooghly ... ..	0.38	0.14	1.21	ditto
		Seraampore ... ..	0.35	0.58	1.91	ditto
		Howrah ... ..	0.16	0.41	2.40	ditto
		Maheshreka ... ..	0.29	0.61	3.88	ditto
		Saugor Island ... ..	0.40	1.40	2.70	ditto
		Observatory ... ..	0.22	0.53	1.30	ditto
		Alipore ... { Dispensary	0.23	0.58	4.17	ditto
		Alipore ... { Jail	0.24	0.56	4.37	ditto
PRESIDENCY.	24-Pergunnahs	Busseerhat ... ..	0.80	0.34	1.96	ditto
		Baraset ... ..	0.19	0.40	1.30	ditto
		Diamond Harbour ... ..	0.37	1.13	3.20	ditto
		Barripore ... ..	0.08	0.85	3.10	ditto
		Satkhira ... ..	1.15	0.10	2.45	ditto
		Barrackpore ... ..	0.41	0.54	1.85	ditto
		Dum-Dum ... ..	0.41	0.43	2.25	ditto
		Kishnaghur ... ..	0.10	0.52	2.03	ditto
		Bongong ... ..	0.80	0.13	2.76	ditto
		Meherpore ... ..	Nil	Nil	1.00	ditto
		Chooalanga ... ..	0.30	ditto	2.10	ditto
		Kooshtea ... ..	0.70	0.04	3.32	ditto
	Nuddea	Raunaghat ... ..	0.00	0.61	2.80	ditto
		Jessore ... ..	1.31	Nil	2.80	ditto
		Narail ... ..	0.19	ditto	1.31	ditto
		Khoolua ... ..	0.18	ditto	1.24	ditto
		Jhenida ... ..	0.46	ditto	4.44	ditto
		Bagurhat ... ..	1.60	ditto	2.10	ditto
		Magoorah ... ..	0.02	ditto	3.61	ditto
		Berhampore ... ..	0.25	0.03	1.01	ditto
		Rampore Haut ... ..	0.09	0.07	1.17	ditto
		Lallbagh ... ..	0.17	Nil	0.71	ditto
		Jungypore ... ..	Nil	0.30	1.55	ditto
		Azingunge ... ..	0.05	Nil	1.50	ditto
RAJSHAHY.	Dinagepore	Lalgolla ... ..	Nil	ditto	0.88	ditto
		Kandee ... ..	ditto	0.17	1.04	ditto
		Dinagepore ... ..	1.17	0.51	2.95	ditto
		Raigunge ... ..	0.38	Nil	1.69	ditto
		Maldah ... ..	Nil	0.80	2.78	ditto
		Chanchal ... ..	0.21	0.08	2.01	ditto
		Banleah ... ..	0.01	Nil	0.49	ditto
		Nattore ... ..	Nil	ditto	1.12	ditto
		Rungpore ... ..	ditto	0.40	0.94	ditto
		Bhabanigunge ... ..	0.72	0.74	2.19	ditto
		Kumgram ... ..	0.06	0.11	1.29	ditto
		Bagdogra ... ..	Nil	Nil	1.00	ditto
	Bogra	Bogra ... ..	0.74	ditto	2.48	ditto
		Sherpore ... ..	0.50	0.40	2.41	ditto
		Nowkhilla ... ..	0.23	0.10	1.50	ditto
		Panchabibi ... ..	0.34	Nil	1.90	ditto
		Halulya ... ..	Nil	Not recd.	1.40	16th Mar.
COCH BEHAR.	Pubna	Pubna ... ..	0.51	Nil	1.91	23rd Mar.
		Serajungo ... ..	Not recd.	ditto	3.41	ditto
	Darjeeling	Darjeeling... { Telegraph Office	1.00	0.10	3.62	ditto
		Darjeeling... { Hospital	0.63	0.10	2.09	ditto
	Julpigoree	Julpigoree ... ..	0.90	Nil	1.24	ditto
		Boda ... ..	0.90	ditto	1.30	ditto
		Buxa—Civil Surgeon's Office	0.61	ditto	2.08	ditto
		Titalya ... ..	0.18	ditto	0.77	ditto
	Cooch Behar Tribu-	Cooch Behar ... ..	0.85	ditto	1.61	ditto
		tary States.				
	Not received 17th to 23rd Feb.					
	Not received 10th to 16th March.					

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 10th to 16th March 1878.	Rain from 17th to 23rd March 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL—continued.							
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.		1878.	
	Dacca	Dacca { Telegraph Office ...	0.17	0.01	1.49	23rd Mar.	
		{ Hospital ...	0.12	Nil	1.58	ditto	
		Moonsheegunge ...	0.80	ditto	2.66	ditto	
	Furzedpore	Mamekgunge ...	0.30	ditto	0.99	ditto	
		Furzedpore ...	0.66	ditto	3.75	ditto	
		Goalundo ...	0.16	0.03	1.90	ditto	
	Backergunge	Madarpore ...	Nil	Nil	4.25	ditto	
		Burrisal ...	0.09	0.04	1.02	ditto	
		Perozepore ...	Nil	Nil	2.51	ditto	
	Mymensingh	Patoakhaty ...	0.23	ditto	1.19	ditto	
		Bhoia ...	Nil	ditto	1.26	ditto	
		Mymensingh ...	1.17	0.02	3.98	ditto	
	Chittagong	Jamulpore ...	0.72	Nil	2.27	ditto	
		Atia ...	Nil	ditto	1.83	ditto	
		Kishoregunge ...	1.05	ditto	5.18	ditto	
	Chittagong.	Chittagong { Telegraph Office ...	1.30	Nil	2.10	ditto	
		{ Jail ...	0.02	ditto	2.53	ditto	
		Cox's Bazar ...	Nil	ditto	2.27	ditto	
	Nonkholly	Nonkholly ...	ditto	ditto	4.17	ditto	
		Fenny ...	0.15	ditto	3.75	ditto	
	Tipperah	Comillah ...	0.62	ditto	3.18	ditto	
		Brahmunbarah ...	0.09	ditto	4.17	ditto	
	Chittagong Tracts.	Hill { Rungamtee Hill ...	Nil	ditto	3.04	ditto	
		{ Ruina ...	Not recd.	Not recd.	1.90	9th Mar.	From 17th February.
	Hill Tipperah	Hill Tipperah ...	0.22	Nil	4.35	23rd Mar.	
BETWA.							
PATNA.	Patna	Patna ...	Nil	0.07	1.31	ditto	
		Bihar ...	ditto	0.07	1.44	ditto	
		Bah ...	ditto	Nil	1.18	ditto	
	Gya	Dinapore Cantonment ...	ditto	ditto	1.50	ditto	
		Gya ...	ditto	0.11	1.40	ditto	
		Nowadah ...	ditto	0.18	2.31	ditto	
	Shahabad	Anrungaabad ...	0.02	0.53	1.52	ditto	
		Jehanabad ...	Nil	0.03	2.36	ditto	
		Arrah ...	ditto	Nil	1.98	ditto	
	Muzafferpore	Sasseram ...	ditto	0.20	1.13	ditto	
		Buxar ...	ditto	Nil	2.70	ditto	
		Bhuboonah ...	ditto	ditto	2.80	ditto	
	Durbhunga	Mozufferpore ...	ditto	ditto	1.56	ditto	
		Hajeeapore ...	ditto	0.01	1.17	ditto	
		Seetamurhee ...	0.12	Nil	1.12	ditto	
	Sarun	Durbhunga ...	Nil	ditto	1.04	ditto	
		Mudhoobunnee ...	ditto	ditto	0.89	ditto	
		Tajpore ...	ditto	ditto	0.41	ditto	
	Chumparun	Chupra ...	ditto	ditto	1.32	ditto	
		Sewan ...	ditto	ditto	2.05	ditto	
		Motihar ...	0.08	ditto	1.11	ditto	
	Monghyr	Bettiah ...	0.13	ditto	1.28	ditto	
		Segowlee ...	0.14	ditto	1.55	ditto	
		Monghyr ...	0.01	ditto	0.89	ditto	
BHAGULPORE.	Bhagulpore	Begowserai ...	Nil	ditto	2.03	ditto	
		Jamooee ...	ditto	ditto	1.55	ditto	
		Bhagulpore ...	0.17	ditto	2.26	ditto	
	Purneah	Soopool ...	Nil	ditto	Nil	ditto	
		Muddehpooora ...	0.10	ditto	0.90	ditto	
		Banka ...	Nil	0.17	2.43	ditto	
	Sonthal Pergunnahs	Soubursa ...	0.20	Nil	1.00	ditto	
		Purneah ...	0.06	0.40	1.13	ditto	
		Kissengunge ...	Nil	Nil	0.81	ditto	
		Arrareah ...	0.10	ditto	0.50	ditto	
	Sonthal Pergunnahs	Nya Doomka ...	0.03	0.10	0.62	ditto	Not received 24th Feb. to 2nd Mar.
		Rajmehal ...	0.25	Nil	1.05	ditto	Ditto ditto.
		Dooghur ...	0.07	0.12	0.77	ditto	Not received 27th Jan. to 16th Feb. and 24th Feb. to 2nd Mar.
		Godda ...	Nil	0.16	1.13	ditto	Not received 24th Feb. to 2nd Mar.



DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 10th to 16th March 1878.	Rain from 17th to 23rd March 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	0.20	0.20	0.40	23rd Mar	
		... { Hospital	0.23	0.75	1.24	ditto	
		Jaipore	Nil	0.20	0.20	ditto	
		Kendraparah	0.30	Nil	0.80	ditto	
		Jagatsingapore	Nil	ditto	0.50	ditto	
		False Point	0.30	ditto	0.60	ditto	
		Pooree	0.01	0.03	0.11	ditto	
		Khurdah	Nil	Nil	0.13	ditto	
		Balasore...	0.18	1.05	2.10	ditto	
		Bhadrack	0.33	Nil	0.72	ditto	
	Balasore	Jellasore	0.50	3.21	4.90	ditto	
		Sorah	0.60	1.00	2.88	ditto	
		Chandbally	0.05	0.12	1.32	ditto	
		Sumbalpor	0.15	0.15	0.75	ditto	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh... { Jail	0.21	0.90	1.66	ditto	
		... { Dispensary	0.16	0.55	1.31	ditto	
		Pachamba	0.03	0.22	0.81	ditto	
	Lohardugga	Ranchee	1.43	0.78	3.04	ditto	
		Palamow	0.02	0.80	0.97	ditto	
	Singbhoom	Chyebassa	Nil	1.41	3.37	ditto	
	Manbhoom	Purnia	1.14	1.92	4.77	ditto	
		Govindpore	0.65	Nil	1.59	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	1.36	0.24	3.49	ditto	
	Sibsagar	Sibsagar	0.64	0.50	3.95	ditto	
		Golaghat	1.16	1.34	6.03	ditto	
		Jorhat	0.30	0.00	3.40	ditto	Not received 3rd to 9th Mar.
		Akyab	Nil	Nil	0.60	ditto	
	Rajpootana	Alwar	0.40	ditto	1.20	ditto	
		Jaipur	Nil	ditto	1.29	ditto	
		Sambar	ditto	ditto	0.10	ditto	

CALCUTTA,  
The 30th March 1878.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 24th to 30th March 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALFORD.	Mar. 24th	10	30.000	30.021	88.0	74.8	52	W S W	4.0	.....	C	c
	25th	10	29.948	29.989	86.7	72.0	28	W N W	9.8	.....	CS	b
	26th	10	29.980	30.002	87.0	73.5	43	W by S	7.5	.....	.....	b
	27th	10	29.855	29.877	88.0	73.8	32	W S W	10.7	.....	.....	b
	28th	10	29.919	29.940	90.5	73.9	43	W S W	7.0	.....	.....	b
	29th	10	29.780	29.801	91.2	78.1	47	S W by W	18.3	.....	.....	b
	30th	10	29.867	29.888	84.9	75.7	53	W S W	11.6	.....	.....	b
	31st	10	29.735	29.756	89.4	79.0	61	S W by S	17.3	.....	.....	b
	32nd	10	29.813	29.831	88.8	79.1	64	W by S	7.8	.....	.....	b
	33rd	10	29.707	29.728	85.6	80.6	50	S W	8.7	.....	.....	b
SAUGOR ISLAND.	Mar. 24th	10	29.816	29.847	88.5	80.9	71	W S W	9.3	.....	.....	b
	25th	10	29.688	29.689	94.0	82.0	68	W S W	10.0	.....	.....	b
	26th	10	29.816	29.837	88.8	78.5	80	S W by S	4.5	.....	.....	b
	27th	10	29.855	29.876	91.8	80.0	50	S W by S	6.5	.....	K	c
	28th	10	30.010	30.016	87	80	72	S W	12.0	.....	CC	b
	29th	10	29.871	29.877	88	79	60	S	11.6	.....	.....	b
	30th	10	30.003	30.009	80	79	72	SS W	10.9	.....	.....	b
	31st	10	29.850	29.856	87	80	72	SS E	14.9	.....	.....	b
	32nd	10	29.948	29.954	86	79	72	S S W	15.0	.....	.....	b
	33rd	10	29.808	29.814	87	81	76	SS E	15.9	.....	.....	b
CHITTAGONG.	Mar. 24th	10	29.889	29.895	86	80	78	SS W	17.3	.....	.....	b
	25th	10	29.700	29.775	86	81	80	S	13.0	.....	FK	b
	26th	10	29.835	29.841	80	82	84	SS W	14.9	.....	FK	b
	27th	10	29.736	29.742	87	82	80	S	15.7	.....	P, FK	b
	28th	10	29.893	29.841	86	81	80	SS W	14.7	.....	PK	b
	29th	10	29.701	29.707	87	81	76	S	11.1	.....	P, FK	b
	30th	10	29.835	29.831	80	83	84	S	12.7	.....	FK	b
	31st	10	29.690	29.696	87	81	78	S	5.3	.....	.....	b
	32nd	10	29.924	30.015	89	73	44	W S W	6.3	.....	.....	b
	33rd	10	29.922	30.013	69	74	47	N N E	5.7	.....	.....	b
AKYAB.	Mar. 24th	10	29.889	30.01	87	74	63	N N W	6.0	.....	.....	b
	25th	10	29.582	30.054	87	78	65	S W	8.0	.....	.....	b
	26th	10	29.822	30.014	86	78	68	S	11.9	.....	K, FK	b
	27th	10	29.799	30.030	88	78	63	S E	13.7	.....	FK	b
	28th	10	29.782	30.073	80	79	73	S	5.7	.....	O	b
	29th	10	30.004	30.025	89	70	37	E	4.1	.....	.....	b
	30th	10	30.028	30.047	87	77	62	E N E	3.2	.....	.....	b
	31st	10	30.984	30.005	87	79	69	E	2.6	.....	.....	b
	32nd	10	30.072	30.093	85	75	61	N W	3.4	.....	.....	b
	33rd	10	30.934	30.055	85	78	72	E	2.8	.....	K	b
DIAMOND ISLAND.	Mar. 24th	10	30.071	30.092	86	79	72	S E	2.8	.....	CK, P	b
	25th	10	30.911	30.032	87	77	62	E	10.9	.....	K	b
	26th	10	30.000	30.042	83	80	87	N N W	9.9	.....	.....	b
	27th	10	30.010	30.052	83	79	83	N W	9.1	.....	.....	b
	28th	10	29.965	30.007	83	79	83	N N W	10.9	.....	.....	b
	29th	10	29.935	30.027	83	79	83	N W	7.9	.....	.....	b
	30th	10	29.916	30.067	83	79	83	N W	8.0	.....	.....	b
	31st	10	29.950	29.992	83	78	79	W N W	3.0	.....	.....	b
	32nd	10	29.902	29.944	83	79	83	W N W	2.9	.....	.....	b
	33rd	10	29.929	30.008	98	79	41	N E	3.4	.....	C	b
CUTTACK.	Mar. 24th	10	29.017	29.097	92	75	43	SS W	3.4	.....	.....	b
	25th	10	29.877	29.957	93	73	35	SS W	4.5	.....	.....	b
	26th	10	29.814	29.844	93	74	38	W S W	5.9	.....	.....	b
	27th	10	29.767	29.848	90	78	56	S	4.1	.....	.....	b
	28th	10	29.757	29.838	92	78	51	S	3.8	.....	.....	b
	29th	10	29.723	29.802	95	72	29	S	5.0	.....	.....	b
	30th	10	30.023	30.038	89	76	63	W	6.8	.....	.....	b
	31st	10	29.992	30.007	91	76	48	W S W	6.2	.....	.....	b
	32nd	10	29.949	29.964	91	77	51	S S W	7.0	.....	.....	b
	33rd	10	29.909	29.924	89	79	63	S	9.7	.....	.....	b
VIZAGAPATAM, PALAE POINT.	Mar. 24th	10	29.842	29.857	88	81	73	SS W	9.5	.....	.....	b
	25th	10	29.810	29.845	91	82	67	S W	8.0	.....	.....	b
	26th	10	30.013	30.044	86	77	65	S E by S	1.6	.....	.....	b
	27th	10	30.001	30.032	87	68	34	W by N	2.1	.....	.....	b
	28th	10	29.989	30.020	87	75	66	W by S	1.1	.....	.....	b
	29th	10	29.841	29.872	87	77	62	W N W	2.8	.....	.....	b
	30th	10	29.884	29.915	86	75	68	W	3.0	.....	.....	b
	31st	10	29.890	29.900	87	78	58	W	3.4	.....	.....	b
	32nd	10	29.836	29.867	89	78	59	W by S	8.5	.....	.....	b
	33rd	10	30.046	30.088	89	76	53	E N E	11	.....	.....	b
MADRAS.	Mar. 24th	10	29.937	29.950	88	77	50	E N E	5	.....	.....	b
	25th	10	29.957	29.979	80	75	58	E	5	.....	.....	b
	26th	10	29.931	29.953	88	76	50	E by N	8	.....	.....	b
	27th	10	30.046	30.070	89	71	39	S E by E	7	.....	.....	b
	28th	10	29.933	29.955	88	70	56	K N K	8	.....	.....	b
	29th	10	30.024	30.046	88	73	40	E by S	8	.....	.....	b
	30th	10	29.906	29.928	86	74	55	E by S	8	.....	.....	b
	31st	10	30.000	30.022	87	73	49	SS W	5	.....	.....	b
	32nd	10	29.858	29.878	89	73	44	E S E	10	.....	.....	b
	33rd	10	29.953	29.975	91	77	51	SS W	8	.....	.....	b
COLOMBO.	Mar. 24th	10	29.835	29.847	89	79	63	S E by E	14	.....	.....	b
	25th	10	29.952	29.974	92	78	51	S	10	.....	.....	b
	26th	10	29.784	29.806	88	80	69	S E by E	17	.....	.....	b
	27th	10	29.962	30.002	84	79	66	S	1.3	.....	C	b
	28th	10	29.970	30.010	88	79	66	N	2.6	.....	CC	b
	29th	10	29.950	29.990	80	81	69	E S E	2.6	.....	CC	b
	30th	10	30.035	30.075	86	79	76	S E	1.4	.....	CC	b
	31st	10	29.910	29.950	87	79	69	N	5.0	.....	CC	b
	32nd	10	29.920	29.960	87	81	76	S W	2.8	.....	CC	b
	33rd	10	29.952	29.992	87	80	82	S W	1.4	.....	CC	b

\* Velocity of wind in miles per hour.

JOHN ELIOT, M.A.,

Meteorological Reporter to the Government of Madras.

## Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th March 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
March	24th	153·8	29·922	80·8	90·3	27·6	68·7	70·0	0·616	61·9	59	Till 9½ A.M. N through N W, till mid-night W through N W.	135	Nil	Chiefly clear.
"	25th	154·0	·909	82·0	90·8	25·3	71·5	72·4	·669	67·3	61	W and S W	178	"	Clear, f and w.
"	26th	153·7	·850	82·5	97·5	24·7	72·8	75·2	·778	71·7	70	Chiefly S W	190	"	Clear and w.
"	27th	151·3	·797	82·1	98·5	20·3	76·2	76·5	·810	74·0	77	S W by W and S W by S	258	"	Clear and w.
"	28th	153·5	·754	84·3	90·6	20·0	76·0	78·5	·895	75·9	76	Chiefly S W	205	"	Clear and w.
"	29th	154·2	·739	84·0	96·5	17·3	79·2	79·7	·948	77·6	79	Chiefly S W	235	"	Partially cloudy and c.
"	30th	154·4	·720	84·6	97·4	18·0	78·5	78·7	·901	76·1	78	S S W and W, S W	122	"	Chiefly clear and w.

The mean pressure of the seven days ...

The average pressure of the corresponding period for 25 years, S. G. Office ... 29·813

The mean temperature of the seven days ...

The average temperature of the corresponding period for 25 years, S. G. Office ... 83·4

The extreme variation of temperature during the seven days ... 28·8

The maximum temperature during the seven days ... 97·5

The mean relative humidity during the seven days ...

The average relative humidity of the corresponding period for 25 years, S. G. Office ... 66

The total fall of rain from 24th to 30th March 1878 ...

The average fall of the corresponding period for 25 years, S. G. Office ... Nil.

The total fall from 1st January to 30th March 1878 ... 0·18

The average fall of the corresponding period for 25 years, S. G. Office ... 1·31

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

f foggy, w dew, o overcast.

METEOROLOGICAL OFFICE, INDIA,  
The 1st April 1878.

HENRY F. BLANFORD,  
Meteorological Reporter to the Government of India.

Report of Fluctuation of Traffic on the Tirhoot State Railway for the Month of February 1878.

TIRHOOT STATE RAILWAY.

INCREASES.			
Food-grains	...	Mds.	27,325
This increase is due to a plentiful harvest in Tirhoot, extension of the line to Mozufferpore, through booking and scarcity in the North-Western Provinces.			
Hides and horns	...	Mds.	290
This traffic improves, but little business has been effected in this particular staple during February.			
Indigo	...	Mds.	681
This increase is favorable, the indigo season being over.			
Iron	...	"	1,557
Due to through booking.			
Piece-goods	...	"	3,550
This increase is due to the development of the system and to through booking.			
Seeds—Indigo	...	"	4,802
This is the season for importing this seed.			
Oil-seeds	...	"	7,941
This is export traffic, and the increase is due to the demand in Calcutta and other markets.			
Salt	...	Mds.	8,776
Due to through booking.			
Saltpetre	...	"	12,159
This increase is due to the demand in Calcutta and other markets.			
Tobacco	...	"	1,019
Due to through booking.			
Railway materials	...	"	20,212
This is quite exceptional and due to transfer of surplus material to other lines.			
All other goods	...	"	3,202
This consists for the most part of beer, liquors, oilman's stores, &c., which are obtained from Calcutta direct, advantage being taken of through booking with the East Indian Railway, and the facilities offered for getting goods across the Ganges.			

SOMASTIPURK,  
The 13th February 1878.

W. M. JOHNSTON,  
Asst. Traffic Supdt., Tirhoot State Railway.

TIRHOOT STATE RAILWAY.

Statement showing Increases and Decreases in Maundage of Staples carried over the line during the month of February 1878.

STAPLES.	1877.		1878.		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Food-grains	5,883	6,937	1,774	39,371	12,820	40,145	27,325	.....
Hides and horns	12	2,920	91	3,131	2,932	3,222	290	.....
Indigo	.....	1,850	.....	2,531	1,550	2,531	681	.....
Iron	8	10	1,553	7	13	1,570	1,557	.....
Piece-goods	337	8	3,740	140	345	3,895	3,550	.....
Railway materials	540	1,843	55	22,070	2,383	22,625	20,242	.....
Seeds—Indigo	9,690	2	14,299	195	9,692	14,494	4,802	.....
—Oil	139	5,983	549	13,514	6,122	14,063	7,941	.....
Salt	997	117	9,599	291	1,114	9,890	8,776	.....
Saltpetre	457	1,009	568	13,657	2,066	14,223	12,159	.....
Tobacco	30	454	145	1,358	484	1,503	1,019	.....
All other goods	3,500	6,950	7,916	6,829	10,150	14,745	4,295	.....
	21,588	28,683	40,308	1,02,000	50,271	1,42,908	92,637	.....
Increase	.....	.....	.....	.....	.....	50,271	92,637	.....

W. M. JOHNSTON,  
Asst. Traffic Supdt., Tirhoot State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING.		TOTAL RECEIPTS FROM 1ST JANUARY.		Total increase in 1878.	Total decrease in 1878.
			17th Feb. 1877.	16th Feb. 1878.	To 17th Feb. 1877.	To 16th Feb. 1878.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
23rd February	Northern Bengal	172	.....	11,536 8 9	.....	39,576 4 9	39,576 4 9	
9th March	Tirhoot	70	2,315 4 6	11,993 0 9	14,410 14 9	56,474 1 9	42,063 8 0	
2nd "	Calcutta and South-Eastern	28	2,063 4 6	2,791 5 0	14,023 13 0	17,166 14 9	3,144 3 1	
23rd February	Nalhati	27½	1,987 8 0	1,943 8 9	12,845 5 6	13,136 13 6	843 8 0	
	Total		6,365 1 0	28,164 4 3	40,777 0 3	1,36,403 8 9	85,626 1 10	

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 23rd March 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.					Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		Rs. A. P.				
Total traffic for the week ...	150,331½	2,29,891 3 6	20,981 13 11	13,33,128 30	4,06,023 0 0	45,408 15 7		7,21,914 4 0	47,974½	106,256½		154,231½
Or per mile of railway ...	...	178 13 8	16 7 11	...	387 9 0	35 10 7		568 7 2	...	...		...
For previous 11 weeks of half-year ...	1,535,027	22,19,458 10 3	203,450 7 6	1,64,25,143 0	60,06,943 1 6	550,551 2 8		82,25,503 11 0	502,825	1,181,670		1,684,495
Total for 12 weeks ...	1,685,958½	24,48,349 13 0	224,432 1 5	1,78,98,571 30	65,02,068 2 0	590,022 18 3		89,50,417 16 9	550,799½	1,287,835½		1,838,635½
COMPARISON.												
Total for corresponding week of previous year ...	148,135½	2,23,674 4 7	20,503 9 7	13,11,498 20	5,55,026 2 0	50,877 8 0		7,78,700 7 4	45,723	102,261		147,983
Per mile of railway, corresponding week of previous year ...	...	174 12 6	16 0 5	...	433 11 2	39 15 2		608 7 8	...	...		...
Total to corresponding date of previous year ...	1,769,431	28,22,549 5 9	259,733 13 10	1,55,11,825 30	65,28,706 10 5	598,464 15 6		93,51,256 0 2	583,895	1,200,930		1,784,825

EAST INDIAN RAILWAY—JUBBULPORE LINK.

Approximate Return of Traffic for week ended 23rd March 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	6,844½	22,324 13 9	2,046 9 0	1,20,966 10	35,911 1 0	3,291 16 11	58,235 14 9	4,953½	7,189		12,142½
Or per mile of railway ...	...	99 12 5	9 2 11	...	160 7 11	14 14 3	260 4 4	...	...		...
For previous 11 weeks of half-year ...	85,281½	2,39,618 8 6	21,967 15 7	15,71,735 10	4,47,267 10 0	40,999 10 8	6,86,916 2 6	66,101½	100,648½		166,749½
Total for 12 weeks ...	92,129	2,61,973 6 3	24,014 4 7	16,92,701 20	4,83,178 11 0	44,291 7 7	7,45,152 1 3	71,054½	107,837½		168,892½
COMPARISON.											
Total for corresponding week of previous year ...	7,706	25,824 6 9	2,367 4 9	2,96,556 20	71,492 1 0	6,553 8 9	97,316 7 9	8,981	18,761		23,732
Per mile of railway, corresponding week of previous year ...	...	115 6 8	10 11 7	...	319 8 3	29 5 10	434 14 11	...	...		...
Total to corresponding date of previous year ...	97,963½	3,78,737 14 0	34,717 12 10	28,34,950 30	7,17,061 0 0	63,730 11 10	10,95,798 14 6	63,973	184,614		248,587

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 23rd March 1878 on 158½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.		£ s. d.
Total traffic for the week ... ..	47,605½	38,018 0 0	3,184 19 9	1,94,502 31	45,253 7 7	4,184 4 8	7,633 4 5
Or per mile of railway ... ..	301	240 3 10	22 0 6	1,234 14	285 15 5	26 4 3	49 4 8
For previous 11 weeks of half-year ... ..	448,209	3,40,332 11 2	32,022 3 2	21,75,269 31	5,40,561 13 1	40,551 10 0	81,573 13 2
Total for 12 weeks ... ..	495,869½	3,47,350 11 11	35,507 2 11	23,73,772 22	5,85,815 4 8	53,690 14 8	80,206 17 7
COMPARISON.							
Total for corresponding week of previous year ... ..	43,575½	20,737 13 2	2,450 19 5	2,11,492 34	39,365 13 2	3,608 10 8	6,059 10 1
Per mile of railway, corresponding week of previous year ... ..	275	168 15 4	15 0 10	1,336 18	249 12 2	22 16 0	38 5 10
Total to corresponding date of previous year ... ..	459,164	3,35,410 11 5	30,746 10 7	23,03,693 6	4,41,490 6 8	40,469 19 2	71,216 9 9

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 9th March 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	7,297	5,136 0 0	513 12 0	27,290 0	7,354 0 0	753 8 0	1,249 0 0
Or per mile of railway ...	42	30 0 0	3 0 0	158 0	43 0 0	4 6 0	7 6 0
For previous 9 weeks of half-year ...	4,919	28,007 0 0	2,800 14 0	1,05,253 0	20,080 0 0	2,098 0 0	4,898 14 0
Total for 10 weeks ...	48,125	33,143 0 0	3,314 6 0	1,32,542 0	28,334 0 0	2,853 8 0	6,147 14 0
COMPARISON.							
Total for corresponding week of previous year ...	...	...	...	...	...	...	...
Per mile of railway, corresponding week of previous year ...	...	...	...	...	...	...	...
Total to corresponding date of previous year ...	...	...	...	...	...	...	...

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 16th March 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	7,750	5,547 0 0	554 14 0	29,600 0	8,443 0 0	844 6 0	1,399 0 0
Or per mile of railway ...	45	32 0 0	3 4 0	173 0	49 0 0	4 18 0	8 2 0
For previous 10 weeks of half-year ...	48,125	33,143 0 0	3,314 6 0	1,32,542 0	28,334 0 0	2,853 8 0	6,147 14 0
Total for 11 weeks ...	55,875	38,690 0 0	3,869 0 0	1,62,142 0	36,777 0 0	3,677 14 0	7,546 14 0
COMPARISON.							
Total for corresponding week of previous year ...	...	...	...	...	...	...	...
Per mile of railway, corresponding week of previous year ...	...	...	...	...	...	...	...
Total to corresponding date of previous year ...	...	...	...	...	...	...	...

NULHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd March 1878 on 27½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	2,765	1,210 0 0	121 0 0	10,169 0	665 0 0	66 10 0	137 10 0
Or per mile of railway ... ..	101	44 8 0	4 9 0	373 0	24 0 0	2 8 0	6 17 0
For previous 11 weeks of half-year ... ..	20,830	12,574 0 0	1,257 8 0	2,01,325 0	11,027 0 0	1,162 14 0	2,420 2 0
Total for 12 weeks ... ..	32,595	13,784 0 0	1,378 8 0	2,11,494 0	12,293 0 0	1,229 4 0	2,607 12 0
COMPARISON.							
Total for corresponding week of previous year	1,891½	925 3 10	92 10 6	5,943 10	513 2 6	51 6 3	143 16 9
Per mile of railway, corresponding week of previous year ... ..	69	33 15 3	3 7 11	218 4	18 13 3	1 17 7	5 5 4
Total to corresponding date of previous year	28,890	13,387 11 10	1,336 15 6	1,13,922 39	7,296 11 3	729 13 4	2,066 8 18





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 10, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 6th April 1878.*

1

Present:

HIS HONOR THE LIEUTENANT-GOVERNOR OF BENGAL, *Presiding*,  
 The Hon'ble G. C. PAUL, *Advocate-General*,  
 The Hon'ble C. T. BUCKLAND,  
 The Hon'ble H. J. REYNOLDS,  
 The Hon'ble A. MACKENZIE,  
 The Hon'ble J. O'KINEALY,  
 The Hon'ble BABOO ISSER CHUNDER MITTER, RAI BAHADOOR,  
 The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
 The Hon'ble RAJAH PRAMATHA NATHA ROY, BAHADOOR,  
 The Hon'ble BABOO MOHINI MOHUN ROY,  
 and  
 The Hon'ble AMEER ALI,

NEW MEMBER.

The Hon'ble Mr. BUCKLAND took his seat in Council.

## REGISTRATION OF HACKNEY CARRIAGES.

The Hon'ble Mr. REYNOLDS moved that the Bill to amend Bengal Act V of 1866 be read in Council. He said that at the last meeting of the Council



he asked leave to introduce this Bill. The Bill was not then in the hands of the members, and one hon'ble member expressed a doubt whether a Registrar of Hackney Carriages appointed by the Corporation would be in all respects an officer of the Corporation, and come under the general rules which regulated the appointment and dismissal of officers of the Corporation. To meet that objection Mr. REYNOLDS had prepared an amendment in substitution for the second and third paragraphs of section 1 of the Bill as it stood. Instead of providing that the officer so appointed should be subject to the order, disposition, and control of the Chairman of the Corporation, so far as the Town and Suburbs of Calcutta are concerned, he proposed to say that the officer so appointed shall, as far as the Town and Suburbs of Calcutta are concerned, be subject to the order, disposition, and control of the Corporation, and that the appointment and removal of the registering officer shall be subject to the provisions of section 36 of the Calcutta Municipal Consolidation Act, which provided that no officer, whose salary exceeded Rs. 200 per mensem, should be appointed to, or removed from, his office without the sanction of the Commissioners at a meeting. At present Mr. REYNOLDS only moved that the Bill be read in Council.

The motion was agreed to.

On the application of the HON'BLE Mr. REYNOLDS the Rules for the conduct of business were suspended to enable him to move that the Bill be taken into consideration and passed.

The HON'BLE Mr. REYNOLDS moved that the following be substituted for the second and third paragraphs of section 1 of the Bill:—

“But the Local Government may, if it think fit, empower the Corporation of the Town of Calcutta to appoint such registering officer, and any officer when so appointed shall, so far as the Town and Suburbs of Calcutta are concerned, be subject to the order, disposition, and control of the said Corporation.

“The appointment and removal of such registering officer shall be subject to the provisions of section 36 of the Calcutta Municipal Consolidation Act, 1876.”

The motion was agreed to.

The HON'BLE Mr. REYNOLDS then moved that the Bill be passed. He mentioned at the last meeting that it was hoped that the passing of this Bill would effect a considerable saving in the cost of working the Act, and it was therefore desirable that it should be passed and come into operation as soon as possible.

The motion was agreed to and the Bill passed.

#### REGISTRATION of ESTATES.

The HON'BLE Mr. REYNOLDS moved that the Bill to amend Bengal Act VII of 1876 be read in Council. He explained the object of this Bill at the last meeting, when asking for leave to introduce the Bill, and he believed it was generally admitted that the Bill was necessary and unobjectionable.

The motion was agreed to.

The Rules for the conduct of business having been suspended, the HON'BLE Mr. REYNOLDS moved that the Bill be taken into consideration and passed. He mentioned at the last meeting that he intended to adopt this course, and as no objection had been offered either to the principle of the Bill, or the way in which it had been drafted, he hoped that the Bill would now be passed.

The motion was agreed to and the Bill passed.

#### CLEANSING AND ERECTION OF LATRINES IN FIRST CLASS MUNICIPALITIES

The HON'BLE Mr. MACKENZIE moved that the report of the Select Committee on the Bill to provide for the cleansing and erection of latrines in first class municipalities be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee. The Select Committee, he said, in considering the Bill had made one or two somewhat material amendments. The first of these arose from the fact that there were certain parts of the Suburbs in which it was not desirable to introduce such an elaborate system as that which was known as Hulalkore. Accordingly the Committee provided that the system might be extended, not necessarily to the whole of a municipality, but to any part of it. It was also made clear that the rate under this Bill should not be a fixed percentage

upon the valuation of holdings, but on a scale which was to be fixed by the Lieutenant-Governor in communication with the Commissioners in meeting. The Committee had had some difficulty in determining what the minimum rate should be, and indeed it had been suggested that no limits should be inserted in the Act, Government being left to adjust the scale to suit the circumstances of each place. On the whole, however, it was considered desirable that some limit should be inserted in the Bill, and the question had then been how to reconcile the conflicting views of the Howrah and Suburban Municipalities. The original proposal was that the lowest limit should be a rate not exceeding Rs. 3 where the valuation of the holding amounted to, or was less than, Rs. 50. That did not suit the circumstances of Howrah. The Howrah Municipality proposed that the minimum rate should be Rs. 1-8 on a holding whose annual valuation amounted to, or was less than, Rs. 25. That, again, did not suit the circumstances of the Suburban Municipality. It was therefore resolved as a compromise that the minimum rate should be Rs. 3 on a holding, the annual valuation of which was Rs. 25 or less. It would not be necessary to impose the full fee in every case. The rates at Howrah would be less than those to be imposed in the Suburbs, where the rates proposed to be adopted, though higher than those for Howrah, would still be less than those now levied. At present a rate of from 8 annas to 10 annas was levied upon a holding of Rs. 25; whereas 4 annas would be the maximum fee which the Suburban Municipality could levy under this Bill on holdings of similar value, and with that rate they were quite content.

The Committee had provided for the giving of public notice annually, of the scale of fees fixed and for the reduction or remission of the fee on the ground of poverty. They had also swept away entirely the section imposing a joint liability upon the owners of holdings and the Commissioners in respect of the construction of public latrines; it did not appear to be the duty of owners to provide public latrines, but only latrines for their tenants. It was the duty of the Commissioners to provide public latrines for the general population and for those who came within the municipality to work for the day, and the Committee had therefore left the construction of public latrines to be undertaken either from the general fund, or from the surplus proceeds of fees under this Act.

The Committee had made a few other amendments of small importance, and Mr. MACKENZIE had one or two further amendments to propose on behalf of the municipalities interested, whose suggestions had only reached him at the last moment, in addition to those of which notice had been given, some of which had been suggested by the learned Advocate-General.

The motion was agreed to.

On the motion of the HON'BLE MR. MACKENZIE, the words "three rupees" were substituted for "one rupee eight annas" in the first line of the second paragraph of section 3.

Verbal amendments were, on the motion of the HON'BLE MR. MACKENZIE, made in sections 7, 8, 10, 13, and 15, and in the preamble of the Bill; and to section 19 the following words were added:—

"And the word 'holding' in this Act shall mean a holding as already ascertained for the purposes of assessment under the aforesaid Bengal Municipal Act, 1876."

The HON'BLE BABOO ISSER CHUNDER MITTER moved an amendment which had been suggested to him by the Chairman and Vice-Chairman of the Suburban Municipality. He said that section 203 of Act V of 1876 provided that where the owner or occupier of any private privy neglected or refused to keep the same in a proper state, he should be liable to a fine not exceeding Rs. 5). It was proposed by this Bill to make the Commissioners' establishment liable for the duty of cleaning privies. But it had been suggested that keeping a privy in a proper state included something more than keeping it clean; that the privy should be kept in proper repair, and that proper receptacles should be provided therein, otherwise it would be impossible to clean the privy properly. He therefore moved that the following proviso be added to the section:—

"Provided that such privy shall be kept in a proper state of repair, and that such necessary vessels and receptacles shall be provided as may be directed by the Commissioners."

The HON'BLE the ADVOCATE-GENERAL remarked that section 203 of the Bengal Municipal Act did not apply to the repairs of privies; it merely

referred to their cleansing. The words "proper state" in that section referred, according to the context, to drains, privies, and cess-pools, and simply meant a proper state of cleanliness. The proviso which had been proposed would conflict with the existing law, and he therefore thought that the Council ought not to agree to its introduction.

After some conversation the motion was negatived.

On the motion of the HON'BLE MR. MACKENZIE the Bill was then passed.

#### RURAL POLICE IN HAZARIBAGH AND LOHARDUGGA.

The HON'BLE MR. O'KINEALY moved that the Report of the Select Committee on the Bill for the regulation of the rural police in the districts of Hazaribagh and Lohardugga be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee.

The motion was agreed to.

The HON'BLE BAROO KRISTODAS PAL said he had given notice of an amendment with a view to enable the Deputy Commissioner to recover money which might be embezzled or misappropriated by a headman. The Bill provided no remedy against a headman in such a case. He might, it was true, be punished under the Penal Code, but who was to make good the loss—the landholders or the parties liable to the rural police cess? It had, however, been pointed out by the hon'ble mover of the Bill that under the Penal Code a headman, who was convicted of embezzlement or misappropriation, might be sentenced to both imprisonment and fine, and that the amount of the fine might be applied to make good the loss which might have been sustained. Then another difficulty had been pointed out by the hon'ble member, namely, that if the provisions of Act XII of 1850 were extended to village headmen, security must under that Act be taken from them. For these reasons, on second consideration, BAROO KRISTODAS PAL thought proper to withdraw the amendment of which he had given notice.

On the motion of the HON'BLE MR. O'KINEALY the Bill was then passed.

#### CONSOLIDATION OF THE EXCISE LAW.

The HON'BLE MR. REYNOLDS moved that the report of the Select Committee on the Bill to consolidate and amend the law relating to the Excise Revenue in the Presidency of Fort William in Bengal be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee. The Bill, he said, had been re-arranged on the lines of the Excise Act of 1871, and was in substance a reproduction of Act XXI of 1856, a few sections taken from Act XI of 1849 having been inserted in their proper place to provide for the excise administration of Calcutta. He believed that the most substantial alteration in the law that had been made was the insertion of a provision that in Calcutta wholesale vendors of exciseable articles should pay fees for their licenses: the Select Committee could find no reason why wholesale vendors in Calcutta should be exempted, whilst elsewhere, throughout the province, they were required to be licensed. The other alterations which had been made by the Committee were completely set out in the report and needed no comment.

The motion was agreed to.

The HON'BLE MR. REYNOLDS said that he did not propose to ask the Council to pass the Bill that day, and as he had a few verbal amendments to propose, he would suggest that the further consideration of the Bill be postponed.

The further consideration of the Bill was accordingly postponed.

#### COURT OF WARDS.

On the motion of the HON'BLE MR. REYNOLDS, the Hon'ble Mr. Buckland was added to the Select Committee on the Bill to amend the law relating to the Court of Wards within the provinces subject to the Lieutenant-Governor of Bengal.

The Council was adjourned to Saturday the 13th instant.

## DANKOONEE DRAINAGE WORKS.

REVENUE DEPARTMENT—LAND REVENUE.

*Calcutta, the 5th April 1877.*

READ—

Two letters from the Commissioner of Burdwan, dated the 14th December 1877 and the 12th February 1878, reporting the completion of the proceedings of the Drainage Commissioners appointed under Act V (B.C.) of 1871, and the settlement of the appeals preferred against their allotment of the expenditure incurred for the purposes of the Act.

THE Hooghly and Burdwan Drainage Act was passed by the Bengal Council in 1871, in order to provide the necessary legal machinery for the execution of a comprehensive scheme of drainage which should permanently improve the sanitary condition of the swampy tract of country lying to the west of the river Hooghly between Serampore and Bally. Owing to the silting up of the water-courses and khals leading from the swamps to the river, the natural drainage of this tract had been almost entirely obstructed, and the water-logged condition of a large area of land had not only stopped the extension of cultivation, but was also believed to be the main cause of a persistent and fatal type of malarious fever. After a careful examination of the locality by a skilled engineer, it was evident that the measures required for its improvement were too extensive to be left to the independent action of the proprietors of the lands concerned, and that the drainage of the tract could only be effected by the agency of Government under the authority of a special Act. Until further experience had been gained of the difficulties which might have to be encountered, it was deemed inexpedient to frame a measure which should be applicable to the whole of Bengal, and the operation of the Act was therefore limited to the execution of a particular project—the drainage of the Dankoonee bheel.

2. After the Act had come into force, the plans and estimates of the scheme were modified in some material points, and the commencement of the work was therefore delayed until January 1873. The land required for the works was formally acquired within the next year, and the entire project was completed in August 1875, rather more than two years and a half after the works had been commenced.

3. At an early stage of the operations, the limit of the land which might possibly derive benefit from the drainage works was delineated by a contour line taken at an elevation of 15 feet above sea level, and the area of this entire tract was ascertained by subsequent measurements to be 56,119 beeghas, made up of a central block of 10,000 beeghas, which was entirely unfit for cultivation, and an outside belt of 46,119 beeghas which was susceptible of considerable improvement. A careful local enquiry, made after the completion of the scheme, showed that 6,808 beeghas had been wholly reclaimed by the drainage works, and 29,928 beeghas had been materially improved. The benefits of the scheme therefore had extended to 36,736 beeghas, or about two-thirds of the area included in the original contour line. The rest of the tract remained unaffected by the scheme; that portion of it which was included in the central waste being occupied by tanks and khals or by portions of the works.

4. In determining the annual increase of value arising from the drainage of each class of land, the Commissioners found that the reclaimed lands which had before been unfit for cultivation were at once leased out by their proprietors at a rent of Rs. 2-8 per beegha. As no rent at all had previously been paid, the rate of Rs. 2-8 a beegha was fairly taken to represent the increment of value caused by the drainage of the land. In the case of lands which had merely been improved, the question was not so simple; but after instituting careful local enquiries in every village, and comparing the rents actually paid by the ryots since the completion of the drainage with those ruling before, the Commissioners found that the aggregate increase of rent throughout the improved area amounted to Rs. 25,988-11, or fourteen annas per beegha. Having thus determined the annual increment of value on each class of land, and having further ascertained that fifteen years' purchase represents the fair market value of land in the interior of Hooghly, the Commissioners estimated the increased value conferred on improved lands at Rs. 3,89,831, and that on reclaimed lands at Rs. 2,48,687, the total value of the improvements resulting from the works being Rs. 6,38,518.

5. The total expenditure incurred on the scheme may be classified as follows:—

	Rs.
Works ... ..	2,97,466
Land acquisition ... ..	88,792
Survey and record of rights ... ..	21,816
Maintenance and repairs ... ..	2,055
Total ...	4,10,129

The whole of this sum was advanced by Government under section 17 of the Act. There was some question as to the mode of calculating the interest to be charged on the amount, but it has been decided that section 20 contemplated the payment of simple interest only. Including interest, therefore, the total amount to be recovered from the proprietors on the 30th June 1877, the date of the apportionment of cost, was Rs. 4,82,699. At a meeting of the Commissioners held on the 14th December 1876, it was resolved to allot the costs of the scheme among the proprietors, by charging Rs. 11-4 for every rupee of enhanced annual value. According to the calculations then made, it appeared probable that an assessment on this principle would yield Rs. 4,80,000, which would suffice to meet the Government demand. But when the allotment was completed, it was found that the assessment on the proprietors would only produce Rs. 4,78,895, while the accumulation of interest had raised the Government demand to Rs. 4,82,699. To avoid the necessity of revising the elaborate calculations which had been made, the Commissioners decided to transfer to the credit of Government a sum of Rs. 5,231 which had been realized from the proceeds of fisheries under section 40 of the Act, and from other miscellaneous sources, thus reducing the liability of the proprietors to Rs. 4,77,467, which is covered by Rs. 4,78,895, the amount apportioned against them. This arrangement, as well as the inclusion in the allotment of the charges incurred for maintenance and repairs up to the end of June 1877, has the approval of the Lieutenant-Governor. The report of apportionment has been duly published in the manner required by section 25 of the Act, and the Collector should now proceed to serve notices upon the proprietors under section 28. Only five appeals have been preferred against the award of the Commissioners, and it may be hoped from this general acceptance of their arrangements that no great difficulty will be experienced in realizing the advances which have been made by Government.

6. Looking to the fact that the Dankoonee drainage scheme was of the nature of an experimental measure, the Lieutenant-Governor considers that the results are fairly satisfactory, though the cost of the work seems to have been much higher than was anticipated. A large area of swampy and useless land has been rendered fit for cultivation, and a still larger area has been materially improved. It is perhaps premature at present to attempt to forecast the effect of the operations upon the health of the inhabitants of the villages which have been drained; but there seems to have been a perceptible abatement of the malarious fever which formerly prevailed, and there can be no dispute as to the belief of the villagers that a great benefit has been conferred upon them. It is also clear that where the people understand the nature and purpose of drainage works, Government may look for intelligent advice and co-operation in carrying them out.

7. Considerable delay occurred in allotting the costs of the scheme among the different proprietors, and the charge for interest has in consequence been needlessly heavy. The work of apportionment, however, was difficult and complicated, and involved the decision of questions for the settlement of which the Act had provided a somewhat cumbrous machinery. With the completion of the apportionment the powers of the Commissioners have ceased, and the duty of maintaining the works in efficient repair has passed into the hands of the Collector. It only remains for the Lieutenant-Governor to express the thanks of Government to the Commissioners and to all the officers concerned for their services in bringing the scheme to a satisfactory conclusion.

By order of the Lieutenant-Governor of Bengal,

H. J. REYNOLDS,

Secretary to the Govt. of Bengal.

No. 56, dated Howrah, the 14th December 1877.

From—A. SMITH, Esq., M.A., Offg. Commissioner of the Burdwan Division,  
To—The Secretary to the Government of Bengal, Revenue Department.

WITH reference to your No. 727, dated the 21st March last, I have the honor to report that the Dankoonce Drainage Commissioners have completed their apportionment proceedings under section 23, Act V (B.C.) of 1871, and submitted their report, showing the several lands which are chargeable, the names of the proprietors thereof, and the sum chargeable in respect of each; and distinguishing lands which have been reclaimed from those which have been improved.

2. The total expenditure has been Rs. 4,10,129, or Rs. 4,82,699 including interest, and the total sum apportioned Rs. 4,78,895, or Rs. 3,804 less than the total expenditure, including all charges. The Chairman proposes to meet the deficit from the Rs. 5,231-13-11, standing to the credit of the Chairman and Collector on account of the proceeds of fisheries under section 40 and the rents of spoil banks, &c., under section 36 of the Act. The apportionment has been calculated at 11½ times the annual value\* of the lands affected by the scheme.

3. I beg to submit a copy of the Chairman's report\* on the apportionment, and to observe that the proposals of the Drainage Commissioners appear to be fair. I shall submit my opinion on them as soon as the appeals now pending before me have been disposed of, and the apportionment finally affirmed by me under section 27 of the Act. They are fixed for hearing on the 22nd instant. The schedules and maps are kept in office for reference in connection with these appeals. They will be submitted to Government in due course.

\* No. 106 of the 16th November 1877.

No. 106, dated Hooghly, the 16th November 1877.

From—F. H. PELLEW, Esq., Collector and Chairman of the Drainage Committee,  
Hooghly,  
To—The Commissioner of the Burdwan Division.

I HAVE the honor to forward the report† drawn up by the Drainage Commissioners assembled at the meeting held on the 30th of June 1877, under section 23 of Act V (B.C.) of 1871, with the following observations and remarks, which have been revised under the instructions contained in your No. 310, dated 2nd ultimo. The report consists of statements showing the several lands which are chargeable, the names of the proprietors thereof, and the sum chargeable in respect of each; and the lands which were before the commencement of the works wholly unfit for cultivation have been distinguished from those which were then to some extent culturable, but which have been improved by the said works.

2. Before explaining the principle on which the apportionment has been made, a short account of the progress of the works will not be deemed out of place. The Dankoonce Drainage Scheme originated in two reports by Mr. C. C. Adley, C.E., dated respectively the 25th June 1869 and 7th January 1870. The special bill for the work became law on the 10th May 1871. The plans and estimates of the scheme underwent considerable modifications in the Chief Engineer's office, and it was not till 7th January 1873 that the estimates were sanctioned. The works were commenced on the 15th January 1873, before acquisition of the land required for them. The land was formally acquired under the provisions of Act X of 1870 in the latter part of the year 1873 and the first half of the year 1874, and the works were completed on the 15th of August 1875. The completion report of the officer in charge of the works was received on the 16th August 1875, and the work connected with the survey of, and record of rights in, the lands benefited by the scheme was completed by the end of April last.

3. From the last certificate of advances received under section 19 of the Act from the Examiner of Public Works Accounts it appears that up to the end of April 1877 Rs. 4,08,031-8-7 were advanced from the public funds as expenses for the construction of the works, including cost of maintenance and repairs, incurred after the 15th August 1875 up to the date of that certificate. Subsequently, in answer to a call from the chairman, it was certified by the Examiner of Public Works Accounts that Rs. 4,08,869-2-10 had been advanced by Government from the commencement of the works up to last day of June 1877, the date of the apportionment. To this sum is to be added Rs. 1,260, the cost of lithographing maps of the lands improved and reclaimed by the scheme. The total expenditure on the works amounts, therefore, to Rs. 4,10,129 (omitting fractions of a rupee) classified as follows:—

	Rs.
1. Works ... ..	2,97,466
2. Land acquisition .. ..	88,792
3. Survey and record of rights, including cost of maps ...	21,816
4. Maintenance and repairs ... ..	2,055
Total ... ..	4,10,129

\* Evidently meant for "annual increase of value."



4. In the certificate of advances above referred to the interest on the advances up to the 30th April last is calculated at 5 per cent. compound interest, and is stated to be Rs. 74,712-13-7. At a previous meeting the commissioners had taken exception to this proceeding of the Public Works Department, charging compound instead of simple interest on the advances made, and a reference was made to the Examiner of Public Works Accounts on the subject, which, I believe is now awaiting the decision of Government. Subsequently, in compliance with a requisition from this office, the examiner has favoured me with a statement, from which it appears that the interest on the total of the sums advanced (Rs. 4,08,869) from the dates of the respective advances up to the 30th June last is Rs. 72,570, calculated at 5 per cent. simple interest, and that interest has since been running at the rate of Rs. 1,704 per mensem. The total sum to be recovered from the proprietors on the date of apportionment is therefore Rs. 4,82,699, including simple interest at 5 per cent. per annum.

5. From December last the commissioners were engaged in the calculations connected with the apportionment of costs. At a meeting held on the 14th of that month a sub-committee was appointed, consisting of Baboos Peary Mohun Mookerjee, Chandra Kanta Mookerjee, Joggeshore Mookerjee, and Kali Dhono Chatterjee, all drainage commissioners, to carry out the details of the work of assessment. At the same meeting it was resolved that the apportionment of costs should be calculated at the rate of Rs. 11-4 for every rupee of improvement, i.e., for every rupee of increased annual rent effected by the undertaking. It was estimated that this rate of apportionment would produce Rs. 4,79,702, or nearly Rs. 4,80,000, a sum which it was expected from the certificate of the Examiner of Public Works Accounts then at hand, would, after meeting the liabilities incurred up to that date, leave over Rs. 12,000 for additional interest, establishment, and other charges up to the time of the completion of the work. The calculations were made in conformity with the above resolution under the immediate supervision of the sub-committee, and in four months' time the Registers BI and BII, 72 in number, showing the details of lands reclaimed and improved, were completed. The actual result of the calculations did not answer the expectation of the commissioners, as, instead of Rs. 4,80,000 as estimated by the committee, they obtained only Rs. 4,78,895. On the other hand, the demand of Government, owing to the rapidity with which interest had been accumulating, came up to Rs. 4,82,899 on the date of the apportionment (30th June 1877).

6. It will be observed that the total of the sums advanced, Rs. 4,10,129 (see paragraph 3), includes Rs. 2,055, the cost of maintenance and repairs up to the end of June 1877, which is recoverable under section 39 of the Act, and as such ought to have been excluded from the amount payable under section 20; but as the item is very small compared with the total outlay, and as it will have to be eventually paid by the proprietors in the proportions of their original contributions, the commissioners have deemed it inexpedient, under the special circumstances of the case, to exclude it from the sum to be apportioned against the proprietors. The Examiner of Public Works Accounts has, however, been requested to keep a separate account of all sums advanced for maintenance and repairs subsequent to the 30th June last.

7. As already stated (see paragraph 4), the liability of the proprietors on the 30th June 1877, including simple interest at 5 per cent. per annum, amounts to Rs. 4,82,699, which exceeds the sums obtained by the rate of apportionment adopted (Rs. 4,78,895) by Rs. 3,804; and it will be noted that this excess is owing to the interest, which has been accumulating at the rate of about Rs. 1,700 per mensem, and which will continue running at the rate, month after month, for some time to come. The commissioners have thought it right not to disturb the calculations already made at considerable expense and trouble; but leaving them untouched, they have adopted an expedient which appears to be the best, under all the circumstances of the case, with a view to realize the entire amount due to Government. It was ascertained on reference to the treasury officer that Rs. 4,413-11, the proceeds of the fisheries under section 40, and the rents of spoil banks, &c., under section 36 of the Act, were standing to the credit of the collector and chairman on the 30th June 1877 as trustee for the proprietors in the accounts of the Hooghly treasury, and that Rs. 788 2-11 had been recovered as costs in land acquisition cases referred to the civil courts. The former item Rs. 4,413-11 is, under the law, payable to the proprietors in the proportions of their respective contributions, and as such can be unobjectionably carried to the credit of Government to reduce their liability. The land acquisition cases were conducted at the expense of the proprietors out of the advances received from Government, and any amount recovered from private parties as costs in these cases belongs of right to the proprietors, and may therefore be set off against the Government demand. These two items, aggregating Rs. 5,231-13-11, have now under orders to the collector and chairman been carried to the credit of Government, reducing the interest which has already accrued from Rs. 72,570 to Rs. 67,338 and the liability of the proprietors from Rs. 4,82,699 to Rs. 4,77,467, which is less than the sum apportioned against them, Rs. 4,78,895, by Rs. 1,428. It will, therefore, be observed that by the arrangement made the sum apportioned against the proprietors covers all the costs incurred, including interest, up to the date of apportionment, and leaves a surplus of Rs. 1,428 available for petty expenses still necessary in the shape of establishment and contingencies to bring the apportionment work to a close. With a view to realize the interest accruing subsequent to the date of apportionment, the commissioners have decided that the sums apportioned against the several proprietors shall bear interest at 5 per cent. per annum from the 30th June 1877 up to the date of realization. The commissioners hope that this provision regarding future interest will satisfy all parties concerned.

8. The commissioners expect a favourable decision from Government as to the nature of interest to be charged on the advances made, as it appears to them that section 20 of the

Act only contemplates simple and not compound interest; but it is to be noted here that even charging interest at the simple rate it has already reached a very high figure. The commissioners were not in a position to determine the exact amount of interest which will have to be eventually recovered from the proprietors, as they could not know beforehand the date of payment in each particular case. It was, therefore, quite out of the question to make a forecast of the entire amount of interest that will become ultimately due, and to include it in the costs to be apportioned against the proprietors. The interest is now so heavy that it would be ruinous to spend further time in the precise adjustment of the claim which Government has. The Commissioners have done the best they could, intending in every way to act fairly, and they must rely upon it that Government will not insist upon their adjusting the apportionment more precisely than what they have already done while running up a rapidly accumulating bill.

9. It is next to be ascertained how much land has been benefited by the drainage works. So far back as December 1872 the limit of the tract which might possibly be benefited by the works was delineated on the ground by a contour line taken at a level, fixed by the engineer, of 15 feet above mean sea datum. During 1873 and 1874 the land within this limit was measured in detail, with the exception of a block of jungle in the centre, and its then rental carefully ascertained and recorded. The land thus measured and valued was found to be 46,419 beeghas or 15,206 acres. In 1874 the jungle block in the centre, which was then wholly unfit for cultivation, was found to be 10,000 beeghas or 3,305 acres. The area of the entire tract within the contour line was therefore 56,419 beeghas or 18,511 acres. A record of rights in the lands proceeded *pari passu* whilst the survey was going on, but was only concluded as regards the jungle lands on the 30th of April last.

10. By a second survey, made in the year 1876 after the completion of the works, it was ascertained that of the above area 29,928 beeghas or 9,893 acres of land had been improved, and 6,808 beeghas or 2,232 acres had been reclaimed by the drainage works; or in all 36,736 beeghas or 12,125 acres, being about two-thirds of the total area included within the contour line. The remainder still remains unimproved, being, so far as the central block is concerned, for the most part under water as tanks, khalls, &c., or portions of the works.

11. As is clear from the above account, it may be stated here that in determining the extent of land benefited as well as the amount of benefit the commissioners have been guided solely by the result of carefully conducted local inquiries. The really improved lands have been classified under two heads, A and B, according to

NOTE.—In some villages even the B lands have been left unimproved as not improved.

the degrees of benefit conferred on them; while the reclaimed lands have been grouped in one class, because, so far as ascertained, these lands had all been equally benefited by the works.

12. The attempt to ascertain the actual increase on profits on improved lands was necessarily surrounded with difficulties. The withdrawal from the marginal lands of the basin of the water to which they had been accustomed imposed upon the cultivators a complete change of crops. The local inquiries into profits began after the first crop on the new system had been reaped, and the Sub-Deputy Collector, Baboo Kedar Nath Ghose, was instructed to guide himself by the results which he found in each village. The rates arrived at are very far below those anticipated at one time. The rates adopted for lower improved lands are full high compared to what the cultivators themselves acknowledge; but, judging by the difference between their admission in ordinary settlement proceedings and the rates actually realized after settlement, the chairman thinks the rates imposed in this case will probably be found practicable. The former rates on the improved lands varied from Rs. 1 to 2 as against Rs. 2-8 obtainable with certainty on the reclaimed lands, so that our average assessment of 14 annas increase is not much. In the reclaimed lands we had the best possible evidence in leases granted by the proprietors the moment the jungle was cleared, so that no doubt hangs over the rate there imposed, which is Rs. 2-8 per beegha.

13. The increased rent or increased annual value of the lands improved, which is due to the drainage works, has been determined by the local inquiries made as above described to be Rs. 25,988-11, giving an average of Rs. 2-10 per acre or 14 annas per beegha. The present rent or annual value of the reclaimed lands, which, it needs hardly be explained, also represents the yearly benefit conferred on them by the works, has been ascertained to be Rs. 16,569, giving an average of Rs. 7-6-10 per acre, or Rs. 2-7-7 per beegha.

14. The commissioners have held that 15 years' purchase represents the fair market value of land in the interior of the district. Fifteen times the annual increment in rent or increase in annual value of the lands will therefore represent the increased value that has been conferred on the lands improved and reclaimed. The increased value conferred on improved lands is therefore Rs. 3,89,831 and that on reclaimed lands Rs. 2,48,687. The value of the total improvements resulting from the work is therefore Rs. 6,38,518.

15. Of the total sum (Rs. 4,78,895) apportioned against the proprietors, the reclaimed lands have been charged with Rs. 1,86,515 or  $11\frac{1}{4}$  times of the annual value conferred on them, and the improved lands with Rs. 2,92,380, being the same multiple of the increased annual value of these lands resulting from the drainage works. This satisfies the conditions of section 22 of the Act. The increased value conferred on improved lands, as already explained in paragraph 14, is Rs. 3,89,831, and the charge against these lands is only Rs. 2,92,380.

16. The average incidence of the cost (including the greater part of the interest accruing on it) on each acre of improved land is Rs. 29-8, or Rs. 9-13-4 per beegha, and that on each acre of reclaimed land is Rs. 83-9-4, or Rs. 27-13-8 per beegha. The actual charge on the latter is therefore 2-8 times heavier than that on the former.



17. The two schedules, BI and BII, constitute the report of the commissioners made under section 23 of the Act; all the particulars prescribed in that section, viz. the several lands which have been declared to be chargeable with the cost, the names of the respective proprietors thereof, and the sum charged in respect of each proprietor, are specified in these two schedules. Schedule BI refers to lands which were wholly unfit for cultivation before the commencement of the works, i.e., reclaimed lands, and schedule BII to lands which were to some extent fit for cultivation but were improved by the works; in other words, "improved lands." These schedules are abstracts of the Registers BI and BII prepared with the sanction of Government showing the details of all the lands reclaimed and improved by the Dankoonie Drainage Works. The following figures may be quoted here from the schedules even at the risk of repetition. The total area of the land in Schedule BI is 2,232 acres or 6,808 beeghas; the total number of properties in the schedule from which the charge is to be realized is 269; and the total amount charged against these properties is Rs. 1,86,515. The total area of the land in Schedule BII is 9,893 acres or 29,928 beeghas; the total number of properties in the schedule is 2,367; and the total amount charged against them is Rs. 2,92,380. Thus the entire number of properties assessed is 2,606 in 68 villages.

18. The commissioners have taken steps for the due publication of the report of apportionment. One copy of the schedules was filed in the Collector's office on the 30th June last for information of the public, and extracts from them have been affixed in every village, police thana, and moonsiffce in which lands affected by these proceedings are situate, as prescribed in section 25 of the Act. The commissioners have also resolved to give to the proprietors free of cost copies of all entries relating to them in Registers BI and BII, and of lithographed maps of the lands benefited by the scheme, on their applying for the same.

19. For facility of reference I beg to forward with this two sets of lithographed maps of 55 villages, the lands of which have been improved by the scheme, and of the 13 villages the lands of which have been reclaimed. The lands in the 55 villages actually improved as ascertained at the second survey have been marked in the maps.

20. In conclusion I have to remark that the commissioners have recorded their sense of obligation to the following officers for the very valuable assistance rendered by them in bringing the important work of apportionment to a satisfactory termination, viz. Mr. E. R. Middleton, Deputy Collector, who conducted a part of the preliminary survey and supervised the second survey, the classification and valuation of the lands benefited, and the record of rights; Baboo Kedar Nath Ghose, Sub-Deputy Collector, who was entrusted with the most arduous task of classification and valuation of the land; and Baboo Rajendra Nath Mookerjee, Superintending Surveyor, whose intimate knowledge of the locality combined with steady business habits, had been of material service to the chairman. I have also to record the services of Mr. Whitfield, the engineer who carried out the works, Mr. Keiser, who surveyed the contour line, and Baboo Jaggeshar Mookerjee, Deputy Collector, who acquired the land.

21. Only three appeals have been raised against the apportionment. These are under inquiry. This fact is a strong testimony to the fairness and accuracy of the proceedings.

No. 68, dated Burdwan, the 12th February 1878.

From—W. S. WELLS, Esq., Officiating Commissioner of Revenue, Burdwan Division,

To—The Secretary to the Government of Bengal, Revenue Department.

IN continuation of this office No. 56 of the 11th ultimo, I have the honor to report that the appeals against the proceedings of the Dankoonie Drainage Commissioners as regards the apportionment of the charge against the proprietors of the lands reclaimed or improved by the work having been disposed of, I have affirmed the report and apportionment, and have passed an order declaring the proportion of sums chargeable against the lands affected by the scheme to be finally determined, and have caused such order to be published by posting a copy at my office and in the offices of the Magistrate and Collector of Hooghly, in the Court of the Judge of Hooghly, of the Joint-Magistrate of Serampore, and in all the Moonsiffces and thanas in the jurisdiction of which the lands are situated.

2. There were altogether five appeals of which two were out of time and three were decided on their merits. In all these cases it was found that the rates had been fairly assessed. In one case the appellant urged that he did not require the water of the canal for irrigation; but the subject of the canal being drainage not irrigation, my predecessor who decided the case did not think there was any real ground for the objections raised. In another case in which the appellant was out of time it was urged that he was not in possession of certain lands in respect of whose assessment he raised objections, but as the land is responsible for the arrears, and will be sold in satisfaction if those arrears are not paid by the owner, I considered his objection as futile, and refused to entertain his application, which I disposed of as out of time. The appellant, moreover, is one of the Drainage Commissioners, but never attended any meeting, or he might have personally represented and advocated his own case.

3. The apportionments have been made with much judgment and discrimination, and were on the whole fair and equitable. If anything, the assessments have erred on the side of leniency, and many lands in respect of which the benefit is doubtful, precarious, or inconsiderable, though falling within the contour line, have been exempted.

4. The maps and schedules are herewith forwarded for inspection.

**LIBERALITY OF BABOO NUFFER CHUNDER PAL CHOWDRY.**

No. 597, dated Calcutta, the 11th February 1878.

From—COLMAN MACAULAY, Esq., Under-Secretary to the Government of Bengal,  
Judicial, Political, and Appointment Departments,

To—The Commissioner of the Presidency Division.

I AM directed to acknowledge the receipt of your letter No. 2J.M., dated 11th ultimo, with its enclosures, relative to a proposal made by Baboo Nuffer Chunder Pal Chowdry to establish and endow a charitable dispensary at Latudaha, in the district of Nuddea, under Class III, Grade 1, of the Revised Dispensary Rules.

2. In reply, I am to request that you will be good enough to accept the Baboo's offer to make over a sum of Rs. 36,000 in 4 per cent. Government securities for the support of the dispensary, and that you will convey to him the acknowledgments of Government for the liberality displayed by him.

\* \* \* \*

No. 2J.M., dated Calcutta, the 11th January 1878.

From—R. L. MANGLES, Esq., Offg. Commissioner of the Presidency Division,  
To—The Secretary to the Government of Bengal, Judicial Department.

I HAVE the honor to forward herewith, for the consideration and orders of Government, copy of a letter No. 2678J.G., dated 18th December last, with enclosures, from the Magistrate of Nuddea, submitting copies of correspondence which has passed between himself and Baboo Nuffer Chunder Pal Chowdry of Latudaha regarding a proposal made by the Baboo to establish a charitable dispensary at Latudaha.

2. I beg to recommend that the munificent offer made by the Baboo to establish a dispensary of the first grade under Class III at Latudaha, and to make over to Government Rs. 36,000 in securities of the 4 per cent. loan for its support, be accepted, and that I may be authorized to communicate the acknowledgments of Government to the Baboo for his liberality in the matter.

\* \* \* \*

**DISTRICT ROAD FUND.**

No. 358A.

*Extract from the Proceedings of the Hon'ble the Lieutenant-Governor of Bengal in the Public Works Department (Local,—Accounts)  
under date the 5th April 1878.*

Read memorandum from the Examiner of Public Works Accounts in Bengal, No. 299D, dated the 27th March 1878, submitting an abstract of the receipts and expenditure of the several District Road Committees for the quarter ending the 31st December 1877.

**RESOLUTION.**—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the District Road Fund for the 1st quarter of the cess year 1877-78 be published in the *Calcutta Gazette* and circulated to the officers concerned.

**ORDERS.**—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the *Calcutta Gazette*.

Ordered that a copy of this Resolution and of the abstract referred to be forwarded to the Financial Department of this Government for information. Also that copies of each be forwarded to all Commissioners of Divisions, to all Superintending Engineers of Public Works Circles in Bengal, to the Accountant-General, Bengal, and to the Examiner of Public Works Accounts in Bengal, for information.

By Order of the Lieutenant-Governor of Bengal,

J. E. T. NICOLLS, Major-Genl., R. E.,

*Secretary to the Government of Bengal  
in the Public Works Department.*

## DISTRICT

## Abstract of Receipts and Expenditure of the several Districts

Ending 31st

R E O

NAME OF DISTRICTS.	Balance on 30th September 1877.	REVENUE UNDER DISTRICT ROAD CESS ACT X. OF 1871.						Road Cess leviable otherwise than under the District Road Cess Act.	RECEIPTS FROM		
		Cess on Lands.	Cess on Mines, Railways, &c.	Cess on Houses.	Fines.	Total.	Road Tolls.		Ferry Tolls (arrears)	River or Canal Tolls.	
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	
ardwan	38,306 5 6	2,933 10 10		418 4 0	101 0 0	3,452 14 10	6 12 8	—66 0 0	629 8 0		
arkoora	14,375 2 1	2,801 3 0		203 0 0		3,004 3 0	4 3 8	412 0 0			
arbhoom	30,462 8 9	3,227 13 11		18 10 0	19 0 0	3,265 7 11		2,361 12 0	28 0 0		
arnapora	48,957 9 9	17,246 11 4		732 11 0	141 8 6	18,120 14 10	1,075 2 2	1,656 8 0	488 5 1		
arnghly with Howrah	33,016 9 1	11,666 5 1		2,064 12 0		14,631 1 1	1 6 7	2,404 0 0	451 0 0		
Pergunnahs	28,258 13 5	4,170 1 4		841 8 0	326 3 10	5,337 13 2		3,416 6 9	1,375 9 0		
ardoa	5,587 7 1	3,289 0 1		532 2 0		3,821 2 1		290 0 0	1,747 14 0		
ardora	15,510 2 0	9,922 0 5		—10 8 0		9,911 8 5	14 0 0				
ardshedabad	27,928 15 11	10,930 9 5		395 12 9		11,326 6 2	1 7 3				
ardagapore	83,025 13 0	13,117 3 11		1,124 4 0		14,241 7 11			428 0 0		
ardahaye	1,08,578 0 0	1,820 15 10		1,206 11 1		3,027 10 11			1,920 14 9		
ardapore	75,599 3 11	16,155 9 8		2,577 0 0	144 13 6	18,877 7 2	78 15 0		666 10 6		
ardra	47,583 3 4	5,650 7 3		55 8 0	151 0 0	5,856 15 3			110 4 6		
ardna	23,356 9 2	4,108 15 10		895 12 3	71 15 0	5,376 11 1	4 1 0		72 0 0		
ardjeeling					188 0 0	188 0 0					
ardigoree	25,613 5 2	273 9 0		35 8 0		309 1 0			5 0 0		
ardoca	90,273 14 8	3,559 0 9		122 4 0		3,681 4 9	25 11 0				
ardreedpore	76,390 5 7	6,452 2 10		10 8 0		6,462 10 10					
ardkergunge	97,534 9 9	20,633 5 11			20 0 0	20,653 5 11	73 10 0				
ardmensingh	12,640 6 2	14,512 15 11		957 4 0		15,470 3 11	1 7 0		25 0 0		
ardperah	42,118 6 11	3,171 7 5				3,171 7 5	193 2 11				
arditagong	42,422 3 6	26 14 0			33 9 0	60 7 0	31 6 1		649 14 6	300 0 0	
ardkholly	11,636 5 9	4,148 2 8		432 0 0		4,580 2 8	86 8 0		371 8 0		
ardna	54,255 13 0	3,866 0 8		46 4 0		3,912 4 8	98 4 0		962 8 0		
ardhabad	71,316 15 8	11,573 15 2		923 3 0		12,497 2 2	16 13 0	1,560 9 3	1,194 11 5		
ardufferpore	10,812 14 4	20,312 10 6		1,056 8 0		21,369 2 0			10,071 6 8		
ardbhunga	62,224 8 8	7,216 6 11		1,094 5 0		8,310 11 11	17 4 9		3,601 8 8		
ardan	97,135 11 7	4,010 0 11		566 1 3		4,576 2 2	3 12 3		5,337 8 7		
ardmparun	27,003 15 4	14,153 9 5		565 0 0	2 0 0	14,720 9 5	18 6 0	149 15 0	357 0 0		
ardghyr	1,23,376 13 11	4,445 10 5		7 8 0		4,453 2 5			1,295 0 2		
ardgalpur	65,360 4 0	11,270 6 6		341 2 0		11,611 8 6	157 6 9	950 0 0	3,629 11 0		
ardneah	21,759 6 5	12,799 11 4				12,799 11 4	11 3 0				
ardah	37,031 9 7	1,941 13 10		122 0 0		2,063 13 10	4 15 10				
ardack	41,232 0 0	3,721 8 7		8 8 0		3,733 0 7			254 0 0		
ardree	7,310 12 8	18,231 7 1		206 14 8		18,438 5 9			88 12 0		
ardore	4,146 13 4	5,222 5 5				5,222 5 5					
ardaribagh	3,115 13 9	7,578 9 0		8 0 0		7,586 9 0			259 15 3		
ardugga	17,892 15 7	6,159 4 11		103 2 6	14 8 0	6,576 15 5					
ardbhoom	—4,542 8 8	2,585 11 0				2,585 11 0	3,028 15 0				
ardbhoom	24,495 1 11	8,662 6 1		2,156 6 0		10,818 12 1			—196 8 0		
Total	15,78,290 10 7	3,04,203 0 2		20,717 13 6	1,213 9 10	3,26,134 7 6	4,955 0 11	13,165 3 0	35,828 2 1	300 0 0	
ardtagong Hill	4,880 7 7										
ardracts	98,033 10 8						9 3 4		108 0 0		
ardhal Pergunnahs	1,475 4 4										
ardbhoom											
Total	1,04,389 6 7						9 3 4		108 0 0		
AND TOTAL	16,82,680 1 2	3,04,203 0 2		20,717 13 6	1,213 9 10	3,26,134 7 6	4,964 4 3	13,165 3 0	35,936 2 1	300 0 0	

SRT WILLIAM,

19th March 1878.

\* This quarter opens without any balance, as the balance at the close of September 1877, amounting to Rs. 11,145-14-10, October 1877, received in this office with Bengal Government, Public Works Department's No. 952A. Of the total expenditure on works and repairs, or Rs. 2,57,418-7-3

I P T S.

Total.	Grants-in-aid from Provincial Reserve Fund.	Sales of Produce and Stores.	Fines and Refunds.	Miscellaneous.	Total Receipts.	Total including Balance	Outlay.	Balance on 31st December 1877.
Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs.
563 8 0	...	11 8 6	...	3 0 0	4,037 12 0	42,344 1 6	37,629 12 5	4,714
442 0 0	...	0 6 0	...	61 4 9	3,512 1 5	17,887 3 6	4,882 9 0	13,504
2,389 12 0	...	19 6 0	...	15 0 0	5,689 9 11	36,152 2 8	6,347 3 5	29,804
2,144 13 1	...	18 10 0	...	14 0 3	21,373 8 4	70,331 2 1	9,394 12 2	60,936
2,855 0 0	...	55 8 0	...	1,393 9 0	18,936 8 8	51,953 1 9	20,714 7 8	31,238
4,791 15 9	...	149 8 0	...	...	10,279 4 11	38,538 2 4	8,416 2 9	30,121
2,037 14 0	...	11 0 0	0 14 3	155 3 0	6,026 1 4	11,613 8 5	4,202 9 10	7,410
...	...	...	...	82 0 0	10,007 8 5	25,517 10 5	19,037 0 6	6,480
428 0 0	...	2 12 0	...	17 0 0	11,347 9 5	39,276 9 4	13,288 13 8	25,987
1,920 14 9	...	1,206 11 6	...	...	11,669 7 11	97,695 4 11	6,992 13 0	90,702
666 10 6	...	6 7 0	78 12 0	17 5 3	6,172 10 5	1,14,750 10 5	10,847 6 6	1,03,902
110 4 6	...	38 9 0	...	20,000 0 0	39,708 3 8	1,15,307 7 7	17,802 2 0	97,505
72 0 0	...	20 0 0	...	75 0 0	5,930 12 9	53,514 0 1	11,008 3 0	42,506
...	5,000 0 0	...	...	39 11 6	5,512 7 7	28,869 0 9	3,677 8	25,191
5 0 0	...	7 11 0	...	...	5,188 0 0	1,002 15 1	8,596 4 3	4,185
...	...	15 8 0	...	6 8 0	3,729 2 9	91,003 1 5	8,888 4 6	17,335
...	...	...	...	551 3 3	7,013 14 1	83,404 3 8	4,745 8 10	85,114
25 0 0	...	...	...	105 15 9	20,832 15 8	1,18,367 9 5	12,961 5 9	78,658
...	...	6 11 6	...	710 15 4	16,207 10 3	28,818 0 5	21,312 8 3	1,05,406
919 14 6	...	35 3 9	...	211 11 6	3,583 1 4	45,701 8 3	7,818 10 1	7,535
374 8 0	...	...	...	19 0 0	1,095 15 4	41,326 4 2	6,904 10 0	37,882
962 8 0	...	10 6 0	...	...	5,041 2 8	16,677 8 5	9,277 2 5	45,230
1,560 9 3	...	18 5 3	...	1,055 7 3	6,038 13 11	60,294 10 11	9,401 14 5	7,400
1,194 11 5	...	2 0 0	...	3 12 6	14,096 10 2	85,443 9 10	3,998 1 3	50,892
10,071 6 8	...	13 15 0	...	3,718 11 10	26,284 9 9	37,007 8 1	23,129 8 4	81,445
3,601 8 8	...	...	...	...	18,143 6 4	80,667 15 0	14,398 15 0	13,987
5,187 7 7	...	...	...	242 8 0	8,423 15 1	1,05,559 10 8	15,448 14 5	66,289
357 0 0	...	...	...	187 1 0	20,113 8 0	47,417 7 4	10,455 5 0	90,110
2,245 0 2	...	...	...	4 0 0	4,806 2 5	1,28,183 0 4	12,599 5 11	36,982
3,629 11 0	...	...	...	7 0 6	11,029 15 11	79,381 3 11	35,293 12 0	1,15,582
...	...	3 2 0	...	346 7 6	16,827 0 10	38,586 7 3	15,615 12 8	44,087
254 0 0	...	17 10 3	...	20,000 0 0	22,071 15 8	79,103 9 3	11,781 1 6	22,970
88 12 0	...	69 11 6	...	2,862 11 9	6,867 6 7	48,099 6 7	1,303 15 5	67,322
...	...	...	...	77 12 9	18,674 10 0	25,985 6 8	4,246 10 10	46,796
259 15 3	...	50 8 0	...	7 10 9	5,230 0 2	9,376 13 6	6,464 7 9	21,735
...	...	...	...	103 8 0	8,000 8 3	11,116 6 0	4,872 14 5	2,912
...	...	3 4 0	...	...	6,576 15 5	24,169 15 0	3,307 4 8	6,245
-196 8 0	...	...	...	207 15 4	5,617 14 0	1,075 5 4	1,490 0 9	21,165
...	...	...	...	...	10,830 3 5	35,325 5 4	8,917 11 5	41,412
49,293 5 1	5,000 0 0	1,794 6 3	79 10 3	52,185 2 9	4,39,442 0 9	20,17,732 11 4	4,37,974 8 10	15,79,758
...	10,000 0 0	...	...	...	10,000 0 0	14,880 7 7	841 3 9	14,038
108 0 0	25,000 0 0	...	...	...	25,033 3 4	1,23,066 14 0	7,670 3 4	1,15,396
...	10,000 0 0	...	...	81 0 0	10,753 6 7	12,228 10 11	1,273 5 5	10,975
...	...	...	...	753 6 7	...	...	...	...
108 0 0	45,000 0 0	...	...	669 6 7	45,786 9 11	1,50,176 0 6	9,784 12 6	1,40,392
49,401 5 1	50,000 0 0	1,794 6 3	79 10 3	62,854 9 4	4,85,228 10 8	21,67,908 11 10	4,47,759 5 4	17,20,149

EXPEN

COLLECTION OF REVENUE AND COMMITTEES' CONTROL.			ORIGINAL WORKS.				REPAIRS.			
Establishment.	Contingencies.	Total.	Roads and Bridges.	River and Canal Works.	Ferries (arrears.)	Total.	Roads and Bridges.	River and Canal Works.	Ferries (arrears.)	
Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
44 6 3	265 9 3	2,909 15 6	15,016 2 10	...	...	15,016 2 10	16,719 4 4	...	...	...
48 4 3	21 4 6	369 8 9	2,117 12 0	...	...	2,417 12 0	1,002 8 9	...	...	...
50 0 0	41 0 11	246 0 11	...	...	...	...	3,184 12 0	...	...	...
54 8 5	45 0 0	1,959 8 5	914 1 6	3 8 6	...	917 10 0	1,677 10 3	...	...	...
51 12 10	312 8 8	1,634 5 6	2,836 4 9	...	...	2,836 4 9	10,697 4 11	...	12 13 0	...
53 11 0	165 0 6	1,708 11 6	48 7 6	...	...	48 7 6	1,515 15 6	...	121 5 0	...
50 0 4	51 34 3	711 14 7	81 0 0	...	...	81 0 0	335 15 3	...	...	...
51 12 6	465 1 6	1,426 14 0	3,373 2 7	...	...	3,373 2 7	8,513 6 9	...	...	...
54 6 6	39 0 6	903 7 0	329 11 2	...	...	329 11 2	9,219 8 3	...	...	...
54 7 4	380 2 3	914 9 7	...	...	...	...	2,387 6 1	...	...	...
59 7 6	94 1 6	1,083 9 0	5,933 13 9	...	...	5,933 13 9	...	...	...	...
51 7 9	434 3 11	1,665 11 8	3,125 9 1	...	...	3,425 9 1	6,794 9 5	...	...	...
57 0 0	46 7 5	433 7 5	662 0 0	...	...	662 0 0	8,659 7 7	...	...	...
56 1 6	367 7 0	1,273 8 6	48 8 3	...	...	48 8 3	11 9 0	...	...	...
58 4 7	76 10 6	602 15 1	300 0 0	...	...	300 0 0	100 0 0	...	...	...
59 12 1	114 7 9	535 3 10	1,016 9 7	...	...	1,016 9 7	5,153 5 4	...	...	...
56 3 0	440 10 1	1,336 13 1	383 1 3	...	...	383 1 3	557 2 10	...	273 0	...
51 10 6	176 6 6	798 1 0	123 0 3	...	...	123 0 3	1,258 7 6	...	34 0 0	...
51 1 6	1,773 4 0	5,271 5 6	4,105 0 9	69 8 6	...	4,174 9 3	899 11 0	...	...	...
3 0 6	377 4 3	1,890 4 9	10,563 0 0	...	...	10,563 0 0	407 11 6	...	...	...
2 14 0	198 3 0	1,111 1 6	1,570 3 9	...	...	1,570 3 9	2,822 11 9	58 2 0	...	...
0 7 8	684 7 4	5,914 15 0	279 4 9	...	...	279 4 9	106 0 0	...	164 6 3	...
7 14 6	164 3 9	6,272 2 3	1,263 8 0	...	...	1,263 8 0	1,071 12 0	...	...	...
0 3 0	553 10 8	1,683 13 8	817 11 7	...	...	817 11 7	1,871 12 3	...	...	...
5 14 3	775 10 2	2,781 8 5	10,636 15 7	...	...	10,636 15 7	313 13 3	...	...	...
1 2 4	214 6 8	1,595 9 0	5,291 15 3	...	...	5,291 15 3	1,118 3 5	...	50 10 6	...
5 12 10	52 14 0	1,196 10 10	2,315 5 5	...	...	2,315 5 5	8,119 2 6	...	301 15 3	...
5 14 11	34 1 0	1,036 15 11	15 0 0	...	...	15 0 0	2,905 0 1	...	...	...
1 13 5	71 3 9	874 1 2	12 8 9	...	...	12 8 9	6,119 10 0	...	...	...
1 0 0	191 12 8	572 12 8	12 326 6 2	...	...	12 326 6 2	16,753 7 9	...	...	...
0 0 0	145 14 8	1,175 11 8	3,122 9 3	...	...	3,122 9 3	6,654 14 2	...	...	...
2 2 4	338 1 2	1,320 3 6	6,199 10 3	...	...	6,199 10 3	1,134 14 9	...	...	...
2 2 3	34 12 0	655 14 3	...	...	...	...	238 15 5	...	...	...
10 5	170 0 1	701 10 6	632 9 1	...	...	632 9 1	806 4 3	...	...	...
0 0 0	136 3 6	1,087 3 6	1,825 12 9	...	...	1,825 12 9	2,897 6 4	...	...	...
13 4	295 7 4	790 4 8	215 0 0	...	...	215 0 0	3,242 9 6	...	...	...
3 0	56 1 11	570 4 11	1,081 8 5	...	...	1,081 8 5	282 1 0	...	8 0 0	...
13 5	40 12 0	387 9 5	...	...	...	...	...	...	...	...
10 9	2 0 0	622 10 9	4,907 12 1	...	...	4,907 12 1	1,933 5 1	...	...	...
4 7	317 2 2	582 6 9	...	...	...	...	...	...	...	...
3 10	10,174 9 1	58,912 12 11	1,01,066 0 10	73 1 0	...	1,01,139 1 10	1,41,435 5 1	58 2 0	966 14 0	...
0 0	0 9 0	0 9 0	210 12 9	...	...	210 12 9	592 6 0	...	...	...
0 0	153 3 11	313 3 11	4,418 1 9	...	...	4,418 1 9	1,673 13 8	...	...	...
0 0	...	...	130 0 0	...	...	130 0 0	788 14 9	...	...	...
0 0	153 12 11	313 12 11	4,758 14 6	...	...	4,758 14 6	3,955 2 5	...	...	...
3 10	10,328 6 0	59,286 9 10	1,08,924 15 4	73 1 0	...	1,08,898 0 4	1,47,490 7 6	58 2 0	966 14 0	...

ROAD FUND.

(Road) Committees for the 1st Quarter of the Cess Year 1877-78.

December 1877.

DITURE.

Total.			ESTABLISHMENT.					REFUNDS.					Total.	REMARKS.		
			Public Works Charges.		Other Charges.		Total.	Tools and Plant.		Contribution towards Famine Relief Works.		Other Charges.				
Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.		
16,719	4	4	31,735	7	2	...	2,982	5	9	2,982	5	9	2	0	0	37,629 12 5
1,002	8	9	3,420	4	9	...	591	2	0	591	2	0	1	9	6	4,382 9 0
3,184	12	0	3,184	12	0	...	2,916	6	6	2,916	6	6	...	...	...	6,347 3 5
1,690	7	3	2,038	1	3	...	4,792	11	0	4,792	11	0	4	7	6	9,394 12 2
10,818	9	11	13,654	14	8	...	5,425	3	6	5,425	3	6	...	...	...	20,714 7 8
1,515	15	6	1,564	7	0	...	5,075	3	9	5,075	3	9	67	12	6	8,416 2 9
335	15	3	416	15	3	...	3,073	12	0	3,073	12	0	...	...	...	4,202 9 10
8,543	6	9	11,910	9	4	...	4,267	5	2	4,267	5	2	1,426	4	0	19,037 0 6
9,219	8	3	9,549	3	5	...	2,831	7	3	2,831	7	3	4	12	0	13,288 13 8
2,387	6	1	2,387	6	1	...	3,514	13	4	3,514	13	4	146	0	0	6,992 13 0
...	...	...	5,938	13	9	...	3,812	14	3	3,812	14	3	17	1	6	10,847 6 6
6,794	9	5	10,220	2	6	...	5,371	14	9	5,371	14	9	544	5	1	17,802 2 0
8,559	7	7	9,321	7	7	...	1,134	12	0	1,134	12	0	118	8	0	11,008 3 0
11	9	0	1	3	...	2,110	12	3	2,110	12	3	233	2	0	...	3,677 8 0
100	0	0	400	0	0	...	...	...	...	...	...	...	...	...	...	1,002 15 1
5,427	1	4	6,443	10	1	...	1,520	3	0	1,520	3	0	97	2	6	8,596 4 3
591	2	10	974	4	1	180 0 0	2,459	14	4	2,639	14	4	3,937	5	0	8,888 4 6
1,258	7	6	1,381	7	9	...	2,552	14	1	2,552	14	1	13	2	0	4,745 8 10
899	11	0	5,074	4	3	...	2,489	14	0	2,489	14	0	125	14	0	12,961 5 9
407	11	6	10,970	11	6	5,000 0 0	3,451	8	0	8,451	8	0	...	...	...	21,312 8 3
2,880	13	9	4,451	1	6	...	2,232	3	1	2,232	3	1	24	4	0	7,818 10 1
270	6	3	549	11	0	...	440	0	0	440	0	0	...	...	...	6,904 10 0
1,071	12	0	1,071	12	0	...	1,897	4	2	1,897	4	2	36	0	0	9,277 2 5
1,871	12	3	3,135	4	3	...	3,891	13	6	3,891	13	6	690	15	0	9,401 14 5
313	13	3	1,131	8	10	...	85	0	0	85	0	0	...	...	...	3,998 1 3
6,287	9	6	16,924	9	1	...	4,572	9	3	4,572	9	3	36	13	0	23,129 8 4
1,468	13	9	6,760	13	0	...	5,462	7	2	5,462	7	2	979	0	0	14,398 15 0
8,421	1	9	10,736	7	2	...	3,599	1	4	3,599	1	4	76	6	0	15,448 14 5
2,905	0	1	2,890	0	1	...	6,104	15	9	6,104	15	9	586	4	0	10,455 5 0
6,449	10	0	6,437	1	3	...	5,589	8	0	5,589	8	0	...	...	...	12,599 5 11
16,753	7	9	29,079	13	11	...	4,706	4	2	4,706	4	2	31	11	3	35,293 12 0
6,654	14	2	9,777	7	5	...	4,497	8	0	4,497	8	0	20	9	9	15,615 12 8
1,134	14	9	7,334	9	0	...	3,790	10	3	3,790	10	3	...	...	...	11,781 1 6
238	15	5	238	15	5	...	360	5	6	360	5	6	...	...	...	1,303 15 5
806	4	3	1,438	13	4	...	1,680	0	0	1,680	0	0	40	10	0	4,246 10 10
2,897	6	4	4,723	3	1	...	951	0	0	951	0	0	...	...	...	6,464 7 9
3,250	9	6	3,465	9	6	...	510	0	0	510	0	0	327	0	0	4,872 14 5
282	1	0	1,363	9	5	...	1,556	1	10	1,556	1	10	...	...	...	3,307 4 8
...	...	...	...	...	...	...	867	6	0	867	6	0	...	...	...	1,490 0 9
1,933	5	1	6,841	1	2	...	1,494	3	6	1,494	3	6	...	...	...	8,917 11 5
45,460	5	1	2,49,599	6	11	5,180 0 0	1,14,653	6	5	1,19,843	6	5	9,588	14	7	4,37,974 8 10
592	6	0	803	2	0	...	37	8	0	37	8	0	...	...	...	841 3 9
1,673	13	8	6,091	15	5	417 0 0	790	0	0	1,207	0	0	28	0	0	7,670 3 4
788	14	9	918	14	9	...	354	6	8	354	6	8	...	...	...	1,273 5 5
3,055	2	5	7,814	0	11	417 0 0	1,181	14	8	1,598	14	8	28	0	0	9,784 12 6
1,515	7	6	2,57,413	7	10	5,597 0 0	1,15,845	5	11	1,21,442	5	11	9,616	14	7	4,47,759 5 4

been made over to the "Darjeeling Improvement Fund Works" agreeably to the orders contained in Financial Department's Resolution under date 6th November 1877.  
 action incurred through the Public Works Department was Rs. 5,363-7-11.

F. R. BOYCE.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 6th April 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIVA.	1 Burdwan, Apl. 6 '78	Nil	Nothing to note as to the condition of the crops. Small-pox and cholera are still reported.
	2 Bankoora, " 6 "	Nil	Weather—excessively hot: both by day and by night. North-western and dust-storms began on the 4th. Cotton, <i>til</i> , <i>kalai</i> , indigo, and <i>boro</i> rice on the ground are doing well. Wheat, barley, and tobacco are being gathered.
	3 Beerbhoom, " 6 "	Nil	Weather—unusually warm. State and prospects of the crops remain unchanged.
	4 Midnapore, " 6 "	Nil	Weather—getting rapidly hotter. Rain is wanted to facilitate ploughing. Cholera prevails in Tumlook, and cholera and small-pox in Ghattal.
	5 Hooghly, " 6 "	0.67	Weather—warm and sultry. Cloudy with strong wind and rain on the night of the 5th. Ploughing for early and late rice is going on. The rain of the 5th has been beneficial. There is cholera in a sporadic form in almost all the thanas of the district.
	Howrah, " 8* "	0.04	Weather—very hot, with occasional storms at night. Rain is wanted for cultivation. Sugarcane is being planted. There is nothing on the ground now, except a little <i>boro dhan</i> .
<i>Central Districts.</i>			
PRESIDENCY DIVA.	6 24-Pergunnah, Apl. 6 '78	0.03	Weather—very hot. There is almost nothing on the ground. Rain is wanted. Cholera still continues.
	7 Nuddea, " 6 "	0.49	Weather—hot and dry. No crops on the ground worth mentioning, except sugarcane and indigo which are promising. The prospects of the mango crop are said to be fair. Cholera is rather more prevalent than usual in several parts of the district, especially in Choondanga.
	8 Jessore, " 6 "	1.41	Weather—hot, with occasional gales. There was a heavy gale on the night of the 5th, which blew down a number of trees on the Jhenida road. Sowings of rice and indigo have begun in the north, but in the east and south rain is very much needed, and the prospects of <i>boro dhan</i> are not good for want of it. The rainfall at Sudder station consisted mainly of one heavy shower on the 1st, which was only local. It was accompanied by a fall of very large hailstones. Where these fell the mango crop has been much injured. Coarse rice is selling at Rs. 3-12 per maund at Jessore and Rs. 4 at Narail.
	Jhenida	1.28	
	Magoora	0.31	
	Khoolna	0.35	
RAJSHAHY AND COOCH BEHAR DIVA.	Bagirhat	0.10	
	9 Moorsheadabad, " 6 "	Nil	Weather—hot and dry. Rain is wanted. The absence of rain, if it continues, will injuriously affect the prospects of all kinds of crops. The ground is too hard to break up at present. Cholera is prevalent.
	10 Dinagepore, " 5 "	Nil	Weather—very hot; high westerly winds. Ploughing for rice is proceeding.
	11 Rajshahye, " 6 "	Nil	No rain during the week, which has resulted in intense heat. Heavy rain is much needed, but <i>til</i> , <i>boro</i> rice, and jute are doing fairly under the circumstances. There will it appears be an average mango crop. The price of all grains is unusually high. From Nattore the want of rain is also reported, but the price of rice there has fallen from 17 to 18 kutchas the rupee. Cases of cholera continue to be reported from the Bagmara, Pooten, and Bauleah stations. Cattle disease has broken out in the Rajapore outpost.
	12 Rungpore, " 5 "	Nil	There was some rain in the north and north-east of the district, but none in the civil station or in the south. The weather has become very hot, and westerly winds blow during the day. The state and prospects of the crops continue to be favourable. In those parts of the district where rain fell, the effects have been very beneficial to the <i>aus</i> and other spring crops. Cholera and dysentery prevail in the district.
	Bagdogra	1.40	
	Kurigram	2.71	
	13 Bogra, " 6 "	Nil	Weather—getting warmer. West wind prevailing. The crops are getting on well, and promise a good outturn. Rain is much wanted to facilitate ploughing. The health of the district continues much the same as reported last week.
	14 Puona, " 6 '78	0.29	Weather—unusually hot. Storm at 5 P.M. of the 5th instant, with some hail. The gathering of gram has commenced; the outturn has been rather less than the average. The gathering of wheat and barley has nearly been completed; the outturn is not good. Rain is much wanted. The price of rice is still very high. Some cases of cholera have been reported.
	15 Darjeeling	.....	Return not received.
	16 Julpigoree, " 6 '78	Nil	The lands are being prepared for the <i>dhadoi</i> crops. Rain is wanted. Tobacco is being cut.
	Cooch Behar, " 5 "	0.55	Though the mornings and evenings are cool and pleasant, the day is generally hot, and the weather is becoming hotter and hotter day after day. There was a light shower of rain at head-quarters on the night of the 2nd. The rain has done some good to <i>cheena</i> and <i>kaon</i> . <i>Cheena</i> has in some places been injured by insects. <i>Bitri dhan</i> is still being sown. The cutting of tobacco is going on. The price of rice has come down to Rs. 3-4. Public health continues good.
	Mathabhangu	0.24	

\* Report of 8th shows rainfall during the week ending 6th.

No.	Districts and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Eastern Districts.</i>			
Dacca Divn.	17 Dacca, Apl. 6 '78 Moonsheergunge for week ending 3rd.	1.76 0.74	Weather—very sultry, with strong wind occasionally from the south-east. State and prospects of the crops are generally good. Cholera prevails at Naraingunge and Nangulband amongst the pilgrims collected for the <i>Astami snan</i> .
	18 Farreedpore, „ 6 „ Goulundo „ Madaripore „	1.46 0.34 1.58	There was considerable fall of rain in the middle of the week, since which the weather has been cooler. The rain has done good. The outturn of the spring crops has on the whole not been good. The weather is favourable to the prospects of the next crop. Not much sickness is reported.
	19 Backergunge, „ 4 „	Nil	The weather has been hot, but with a rather strong southerly wind. Ploughing is still backward, and the crops on the ground suffer for want of rain. Cholera and small-pox have abated a little.
	20 Mymensingh, „ 5 „	0.81	Weather—unsettled. More rain is required.
	21 Tipperah, „ 5 „ Sub-division „	1.40 1.88	There was a severe storm of rain, wind, thunder and lightning on the 29th March in the northern half of the district. In the south only slight rain fell. In the Brahmunberiah sub-division the storm was very violent, about one thousand houses having been blown down. During the rest of the week the weather has been changeable. Sky cloudy. Temperature gradually rising. <i>Boro dhan</i> is in good condition. Slight damage was done to the crops about Brahmunberiah sub-division by a hailstorm on the 29th ultimo. The sowing of <i>aus dhan</i> is beginning.
CHITTAGONG DIVN.	22 Chittagong, „ 4 „	0.26	Strong south-west winds. Clouds about. <i>Pania aus</i> and cold-weather crops are very good. Rice is selling from 8 to 15 seers per rupee.
	23 Noakholly, „ 4 „	Nil	High south winds throughout the week. On the night of the 29th March a sharp storm, accompanied by rain, and in some parts of the district by hail, passed over the station. The cold-weather crops are progressing favourably. Cultivation for the early rice crop continues. Public health is good.
	24 Chittagong Hill Tracts, „ 2 „	0.80	Weather—occasionally cloudy. There was a fall of rain attended with squalls on the night of the 29th March. A slight shock of earthquake was felt at about 1.15 or 1.20 P.M. on the 31st idem. The burning of <i>joom</i> still continues. The gathering of tobacco is nearly over. The <i>aus</i> paddy plants are thriving well.
	Hill Tipperah, „ 3 „	2.56	There have been thunderstorms with rain and hail during the greater part of the week. The temperature has fallen. Ploughing for the next rice crop has begun, and is facilitated by the rainfall of the week. No new cases of cholera are reported.
<b>BEHAR.</b>			
PATNA DIVN.	25 Patna, „ 6 „	Nil	Weather—hot and dry. No change in the state and prospects of the crops since last report.
	26 Gya, „ 6 „	Nil	Weather—hot, with hot winds. Mostly from the west. Maximum thermometer in the shade 107.2°. No change in the prospects of the crops. Except in a few parts, where an upward tendency is remarked, prices are steady. Cholera continues. (in last week's report, for "the <i>rubbee</i> harvest is promising" read "the <i>rubbee</i> harvest is progressing.")
	27 Shahabad, „ 6 „	Nil	Weather—hot and cloudy. The harvesting of the <i>rubbee</i> crops is still going on. <i>Cheena</i> and sugarcane are looking well. High prices continue to rule the market in most places. In the Sas-seeram sub-division, however, they are said to be gradually falling. Public health is generally good.
	28 Durbhunga, „ 6 „	Nil	Westerly winds continue. No change to report in the state of the crops since last week. Detailed accounts of the <i>rubbee</i> yield are not yet to hand. There is sporadic cholera in the east of the district.
	29 Mezuferpore, „ 6 „	Nil	Weather—hot, with west wind. The reaping of the <i>rubbee</i> crops is nearly completed. Rain is wanted for <i>cheena</i> and indigo sowings.
	30 Saran, „ 6 „	Nil	Weather—hot. Mornings are cool. Strong westerly wind. The harvesting of the <i>rubbee</i> crops is over. <i>Rahar</i> is being cut and consumed by the ryots. The weighing of opium has commenced. Indigo seeds have been sown, but they have not germinated for want of rain. Prices have slightly risen. Public health is good.
	31 Chumparan, „ 6 „	Nil	Hot west winds during the day, accompanied by dust-storms. The <i>rubbee</i> crops are nearly harvested. The outturn is expected to be fair. Further enquiry on this head is being made. Prices are high. Small-pox has appeared in some parts of the district.



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Contd.)			
BHAGULPORE DIVISION.	32 Monghyr, Apl. 6 '78	Nil	Weather—very hot, with strong winds. The outturn of the <i>rubbee</i> crops has been generally good. Poppy has been somewhat damaged by caterpillars, wheat by rust, and <i>rahar</i> by frost. Other crops are good.
	33 Bhagulpore, „ 6 „	Nil	Weather—hot, with strong westerly winds. The <i>rubbee</i> crops have been harvested with a fair average outturn. Cholera is spreading in the north of the district.
	34 Purneah, „ 6 „	Nil	Weather—hot and dry. Easterly winds in the night and morning, westerly winds during the day. Rain is required for ploughing and sowing. The <i>bhadoi</i> cultivation is progressing. The <i>rubbee</i> harvest has been gathered in and is generally fair. Cholera and small-pox are prevalent.
	35 Maldah, „ 6 „	Nil	Weather—hot. State and prospects of the crops are the same as in the last week. Prices are rather higher. Cholera is abating.
	36 Sonthal Pergas, „ 7 „	Nil	Weather—a little cooler than last week. No change in the state and prospects of the crops since last report.
ORISSA.			
ORISSA DIV.	37 Cuttack Apl. 6 '78	0.24	Weather—fine and hot. The <i>dalua</i> crop is being cut. Ploughing has commenced where rain has fallen. In Kendrapara sub-division rain is wanted for ploughing.
	38 Pooree, „ 4 „	0.01	Weather—warm for the season. <i>Dalua</i> rice is being harvested. Rain is wanted for ploughing. Water in the wells and tanks is failing. Common rice costs a rupee for 10½ seers in the salt tracts and 11½ to 15½ seers in other parts of the district. Exportation is going on as before.
	39 Balasore, „ 5 „	Nil	Weather—very hot and dry. Ploughing for the next crop is checked by want of rain. Sporadic cholera still prevails.
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh, Apl. 5 '78	Nil	Weather—seasonable and very hot. No crops now on the ground. No alteration in the prospects of <i>mohwa</i> . Prices are very high and are still rising. There is a good deal of small-pox in Chuttra.
41	Lohardugga, „ 6 „	Traces of rain.	Weather—warm. The outturn of the <i>rubbee</i> crops, particularly in the Palamow sub-division has been much below the average. <i>Mohwa</i> on the whole promises well, but has been partially damaged by hail in parts of the district. The mango crop has been a total failure. Exportation still continues and has been unprecedented both in the Sudder and Palamow sub-divisions. Prices range exceedingly high, and are causing pressure on the poorest classes.
42	Singbhoom, „ 5 „	Nil	Weather—seasonable. Nothing to report about the crops. The district is healthy.
43	Manbhoom, „ 6 „	Nil	Weather—seasonable for the most part of the week. Gusts of stormy wind, with a sprinkling of rain, have lately occurred. Nothing new to report in regard to crops. The tentative relief works at low rates have failed to attract labour in the north of the district, and will, unless a change shortly occurs, be closed. Those in the west of the district are attracting labour.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 9th April 1878.A. MACKENZIE,  
Secy. to the Govt. of Bengal.

•  
RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE  
UNDERMENTIONED DISTRICTS OF BENGAL FOR THE FORTNIGHT  
•  
ENDING 31<sup>st</sup> MARCH 1878

RETAIL PRICES-CURRENT of Food-grains, Firewood, and, Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, RAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
BENGAL.																									
Western Districts.																									
1	Burdwan	11 8	11 4	18 0	17 0	22 0	30 0	13 8	12 0	18 0	14 12	12 8	21 4	...	...	...	...	...	...						
2	Bankoora	12 8	13 8	23 0	18 0	18 0	28 0	12 8	13 8	25 0	16 8	17 0	30 0	...	...	...	...	...	...						
3	Beerbhoom	11 0	11 0	16 0	18 0	18 0	...	10 8	12 8	19 8	12 0	15 0	24 0	...	...	...	...	...	...						
4	Midnapore	13 0	12 0	17 0	...	...	...	13 0	13 0	20 0	14 0	16 0	26 0	...	...	...	...	...	...						
5	Hooghly	12 0	12 0	15 0	...	...	...	8 0	9 0	{ 11 0 to 11 8 }	10 0	12 8	{ 18 8 to 19 0 }	...	...	...	...	...	...						
	Howrah	12 4	12 0	14 0	...	...	...	9 8	10 0	13 0	10 8	12 8	16 0	...	...	...	...	...	...						
Central Districts.																									
	Calcutta	11 12	11 12	17 0	16 0	14 8	25 0	5 6	7 0	9 0	10 4	11 10	13 0	...	...	...	...	...	...						
6	24-Pergunnahs	...	...	...	...	...	...	6 8	6 12	8 0	10 8	10 8	14 8	...	...	...	...	...	...						
7	Nuddea	13 5	12 5	17 4	18 5	20 0	...	10 10	10 10	15 4	11 0	11 10	16 7	...	...	...	...	...	...						
8	Jessore	11 4	11 0	14 0	...	...	...	10 0	11 8	14 0	11 0	13 0	20 0	...	...	...	...	...	...						
9	Moorshedabad	13 4	15 0	22 0	17 0	35 0	35 0	11 0	11 0	16 0	12 8	13 0	20 0	...	...	...	...	...	...						
10	Dinapore	10 8	12 0	11 8	32 0	...	14 8	13 4	18 0	20 0	17 4	19 0	28 0	...	...	...	...	...	...						
11	Rajshahye	12 8	12 12	24 12	27 8	27 8	61 0	{ 9 0 to 10 0 }	{ 10 0 to 11 4 }	{ 18 12 to 21 0 }	12 0	{ 12 12 to 13 8 }	{ 23 7 to 24 0 }	...	...	...	...	...	...						
12	Rungpore	11 4	15 0	22 8	...	...	...	11 15	11 15	15 0	22 8	22 8	...	...	...	...	...	...	...						
15	Bogra	12 0	9 15	16 8	...	...	...	12 0	12 0	16 8	13 8	15 12	28 6	...	...	...	...	...	...						
14	Pubna	13 8	10 8	18 12	...	...	...	6 0	8 0	12 0	12 0	12 0	22 8	...	...	...	...	...	...						
16	Darjeeling	8 0	8 8	8 0	8 0	...	...	8 0	9 0	6 8	6 8	10 0	8 8	15 0	...	...	...	...	...						
18	Julpigoree	10 0	10 0	13 3	...	...	...	11 7	12 0	14 0	13 3	16 0	20 0	...	...	...	...	...	...						
Eastern Districts.																									
17	Dacca	11 7	13 0	12 4	32 0	32 0	53 0	11 14	12 0	16 0	13 0	14 4	23 0	...	...	...	...	...	...						
18	Furreedpore	16 0	15 0	33 12	60 0	...	35 0	7 0	7 0	8 0	11 8	13 0	20 0	...	...	...	...	...	...						
19	Backergunge	...	...	...	...	...	...	11 0	12 0	13 0	13 0	14 0	15 0	...	...	...	...	...	...						
20	Mymensingh	10 8	10 8	13 0	...	...	...	12 0	12 0	22 0	13 0	13 0	26 0	...	...	...	...	...	...						

A In the interior the prices range as follow :—Wheat 10 to 12½ seers, best rice 11 to 15 seers, common rice 12 to 16 seers, and gram 11½ to 21 seers.  
B In the interior the prices range as follow :—Wheat 11½ to 13 seers, barley 16 to 30 seers, best rice 12 to 17 seers, common rice 13 to 18 seers, maize or Indian-corn 18 to 30 seers, and gram 12 to 15 seers.  
C In the interior the prices range as follow :—Wheat 13 to 17 seers, barley 20 to 24 seers, best rice 11 to 15 seers, common rice 13 to 16 seers, and gram 13 to 22½ seers.  
D In the interior the prices range as follow :—Wheat 12 to 18½ seers, barley 12 to 18 seers, best rice 7 to 11 seers, common rice 10 to 13 seers, and gram 12 to 13 seers.  
E In the interior the prices range as follow :—Wheat 10 to 12 seers, barley 14 to 16½ seers, best rice 6½ to 6½ seers, common rice 10 to 12½ seers, and gram 10½ to 12½ seers.  
F In the interior the prices range as follow :—Wheat 8 to 10 seers, best rice 9 to 13 seers, common rice 10 to 14 seers, and gram 10 to 14 seers.  
G In the interior the prices range as follow :—Wheat 14 to 15 seers, barley 26 to 34 seers, best rice 11 to 12 seers, common rice 12 to 14 seers and gram 18 to 21 seers.

*undermentioned Districts of Bengal for the Fortnight ending 31st March 1878.*

THE SEER OF 80 TOLAHS.

THE SEER OF 80 TOLAHS.																				DISTRICTS.
GRAT MILLET— CHOLUM, JOWAR.			LESSER MILLETS— RAJI OR MERWA AND CHERNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.					
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
...	...	...	...	...	...	...	...	...	12 8	13 4	23 8	120 0	120 0	160 0	9 0	8 12	9 4	Burdwan.		
...	...	...	...	...	...	30 0	30 0	40 0	12 0	12 0	18 0	410 0	410 0	480 0	8 8	8 8	8 12	Bankoora.		
...	...	...	...	...	...	16 0	25 0	...	13 0	16 0	22 8	200 0	200 0	200 0	8 8	8 0	8 8	Beerbhoom.		
...	...	...	...	...	...	...	...	...	12 0	14 0	18 0	180 0	180 0	260 0	8 8	9 0	9 0	Midnapore.		
...	...	...	...	...	...	...	...	...	13 0	16 0	18 0	120 0	120 0	120 0	9 0	9 0	9 0	Hoochly.		
...	...	...	...	...	...	...	...	...	14 0	11 0	20 0	80 0	80 0	120 0	9 8	9 8	10 0	Howrah.		
BENGAL.																				
Western Districts.																				
13 5	11 10	20 0	...	...	...	...	...	...	13 4	11 8	18 4	90 0	100 0	100 0	8 0	8 0	8 0	Calcutta.		
...	...	...	...	...	...	...	...	...	12 0	11 8	16 0	80 0	90 0	90 0	8 12	9 0	8 14	21-Pergunnahs.		
...	...	...	...	...	...	...	...	...	14 8	16 0	20 1½	120 0	120 0	120 0	8 14	8 14	8 10½	Noida.		
...	...	...	...	...	...	...	...	...	14 0	16 0	20 0	110 0	110 0	120 0	8 0	8 0	8 0	Jessore.		
...	...	...	...	...	...	...	...	...	16 0	20 0	32 0	120 0	120 0	120 0	8 0	8 0	7 0	} Moonsheeabad.		
...	...	...	...	...	...	...	...	...	...	...	...	to	to	to	to	to	to			
...	...	...	...	...	...	...	...	...	14 8	14 8	15 0	180 0	180 0	180 0	8 0	8 0	8 4	Dinapore.		
...	...	...	...	...	...	...	...	24 0	16 0	17 8	32 0 to 37 8	200 0	200 0	320 0	9 4	8 5½	9 0	Rajshahye.		
...	...	...	...	...	...	...	...	...	12 8	12 8	10 0	107 0	107 0	107 0	7 8	7 8	7 8	Rungpore.		
...	...	...	...	...	...	...	...	...	12 0	12 0	15 0	67 8	67 8	67 8	8 4	8 7	8 4	Bogra.		
...	...	...	...	...	...	...	...	...	12 0 to 15 0	10 8	14 0	200 0	200 0	200 0	8 8	8 8	9 0	Pubna.		
...	...	...	9 0	...	8 0	12 0	13 0	20 0	8 0	7 0	9 0	160 0	160 0	200 0	1 0	5 0	4 8	Darjeeling.		
...	...	...	...	...	...	...	...	...	10 0	10 0	13 3	64 0	64 0	100 0	7 2	7 5	8 0	Julpigoree.		
Eastern Districts.																				
...	...	...	...	...	...	...	...	...	13 5	13 5	20 0	80 0	80 0	97 0	8 14	8 14	8 14	Dacca.		
...	...	...	...	...	...	...	...	...	16 0	14 0	16 0	...	...	...	9 0	9 0	9 0	Furreedpore.		
...	...	...	...	...	...	...	...	...	12 0	12 0	14 0	100 0	100 0	100 0	8 8	8 8	8 8	Backergunge.		
...	...	...	...	...	...	...	...	...	13 8	13 8	12 8	...	...	...	9 0	9 0	8 12	Mymensingh.		

- H In Raygunge the prices are—Wheat 12½ seers, best rice 13 seers, common rice 16½ seers, and gram 10 seers.  
 I In Nattore the prices are—Wheat 15 seers, best rice 10½ seers, common rice 13½ seers, and gram 13½ seers.  
 J In the interior the prices range as follow:—Wheat 18 to 21 seers, best rice 15 to 16 seers, common rice 18 to 19 seers, and gram 8 to 15 seers.  
 K In Serajgunge the prices are—Wheat 11 seers, best rice 7 seers, common rice 12 seers, and gram 12 seers.  
 L In the interior the prices range as follow:—Wheat 5 seers, best rice 7 to 10 seers, common rice 11½ to 12 seers, lesser millets (at Kurseong) 15 seers, maize or Indian-corn (at Kurseong) 10½ seers, and gram 8 seers.  
 M In the interior the prices range as follow:—Wheat 10 seers, best rice 8 to 10½ seers, common rice 10½ to 17 seers, and gram 8 to 10½ seers.  
 N In the interior the prices range as follow:—Best rice 10 to 13 seers, common rice 12 to 14 seers, and gram 12½ to 18 seers.  
 O In the interior the prices range as follow:—Wheat (at Goulundo) 13 seers, barley (at Goulundo) 20 seers, best rice 8 to 12½ seers, common rice 11 to 13½ seers, and gram 12 seers.  
 P In the interior the prices range as follow:—Best rice 11 to 12½ seers, common rice 12½ to 14 seers, and gram 10 to 12 seers.  
 Q In the interior the prices range as follow:—Wheat 12 to 14 seers, best rice 7 to 14 seers, common rice 13 to 15½ seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number		DISTRICTS.	QUANTITIES PER RUPEE BY																							
			WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.											
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
Eastern Districts—(Contd.)																										
21	Chittagong	7 0	6 0	10 0	...	...	...	8 0	9 0	8 0	11 0	12 0	13 0	...	...	...										
22	Nonkholly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
23	Tipperah	10 8	10 12	12 0	...	...	...	12 0	12 0	14 0	13 8	14 0	20 0	...	...	...										
24	Chittagong Hill Tracts	...	...	...	...	...	...	8 0	8 0	11 6	8 14	9 4	13 5	...	...	...										
	Hill Tipperah	8 0	8 0	10 5	...	...	...	12 0	11 0	15 5	14 0	15 5	26 0	...	...	...										
BEHAR.																										
25	Patna	15 8	16 0	21 0	20 0	21 0	35 0	9 8	10 0	15 8	15 8	16 0	21 8	...	...	...										
26	Gya	R	14 8	14 0	25 0	18 8	20 8	29 8	8 0	8 8	13 8	12 8	12 8	22 0	...	...	...									
27	Shahabad	S	13 4	13 1	17 0	16 0	16 0	28 0	11 0	11 0	17 0	12 0	12 8	19 0	...	...	...									
28	Durbhunga	T	14 0	14 0	...	...	...	11 8	12 0	...	...	...	...	...	...	...										
29	Mozufferpore	U	13 0	14 4	16 8	19 8	19 8	27 8	11 0	11 0	15 12	12 13	13 8	20 0	...	...	...									
30	Saran	V	12 0	11 8	17 0	19 0	21 0	32 0	7 4	7 12	10 8	11 0	12 0	18 8	...	...	...									
31	Chumpran	W	11 0	14 0	16 0	24 0	28 0	14 0	9 0	9 0	12 8	12 8	18 0	...	...	...										
32	Monghyr	X	13 6	15 7	19 9	10 8	16 8	31 5	8 4	8 4	13 6	10 5	12 6	21 0	...	...	...									
33	Bhagalpore	Y	13 4	13 4	15 2	20 3	18 15	18 15	10 1	10 11	20 3	11 5	13 4	21 7	...	...	...									
34	Purneah	Z	14 0	14 0	26 8	...	...	12 0	11 0	24 0	13 0	16 0	27 0	...	...	...										
35	Maddah	...	16 0	18 0	27 10	...	...	15 0	25 0	14 0	15 0	25 0	14 0	...	...	...										
36	Sonhat Pergunnahs	...	14 0	14 0	20 0	30 0	30 0	45 0	12 0	14 0	24 0	13 0	15 0	27 0	15 0	...	39 0									
		...	8 8	9 0	16 0	...	...	12 0	12 0	17 0	13 0	13 0	24 0	...	...	32 0										
ORISSA.																										
37	Cuttack	10 8	11 13	15 12	...	...	...	9 3	9 3	15 12	11 13	11 13	18 6	...	...	...										
38	Poorbe	9 3	10 8	17 1	...	...	...	7 14	8 8	13 2	10 8	11 13	17 1	...	...	...										
39	Balsore	8 0	10 0	16 0	...	...	...	10 0	10 0	24 0	12 0	11 0	32 0	...	...	...										
CHOTA NAGPORE.																										
South-Western Frontier Agency.																										
40	Hazareebagh	Z1	11 8	12 0	16 0	18 0	16 8	36 0	9 0	9 0	12 0	14 0	13 8	24 0	...	...	...									
41	Lohardugga	Z2	10 0	10 0	22 0	20 0	18 0	33 0	12 0	13 0	24 0	14 0	15 0	28 0	...	...	...									
42	Singhbhoon	...	14 0	16 0	24 0	36 0	36 0	32 0	14 0	18 0	20 0	22 0	22 0	40 0	...	...	...									
43	Manbhoom	...	10 0	11 0	20 0	32 0	32 0	40 0	13 0	14 0	20 0	17 0	17 0	34 0	...	...	...									

\* Return not received.

† The price of common rice ranges from 15½ to 21 seers.

R In the interior the prices range as follow:—Wheat 14 to 16 seers, barley 19½ to 25 seers, common rice 12 to 12½ seers, lesser millets (at Nowadaj) 20 seers, and gram 14 to 14½ seers.

S In the interior the prices range as follow:—Wheat 13 to 13½ seers, barley 15 to 18 seers, best rice 8 to 10 seers, common rice 10½ to 18 seers, bulrush millet (at Buxar) 13 seers, great millets 12 to 14 seers, lesser millets (at Sasseram) 17 seers, maize or Indian-corn 14 to 17 seers, and gram 12 to 14½ seers.

T In the interior the prices range as follow:—Wheat 12 to 16 seers, barley 19 to 25 seers, best rice 8 to 14 seers, common rice 13½ to 16 seers, murwa 20 to 23 seers, maize or Indian-corn 17 to 22 seers, and gram 15 to 16 seers.

U In the interior the prices range as follow:—Wheat 13 to 17½ seers, barley 20½ to 30 seers, best rice 8 to 15 seers, common rice 11½ to 16 seers, lesser millets 14 to 25 seers, maize or Indian-corn 14 to 25 seers, and gram 14 to 22½ seers.

V In the interior the prices range as follow:—Wheat 12 to 17 seers, barley 20 to 25 seers, best rice 7½ to 10 seers, common rice 9½ to 13 seers, lesser millets 20 to 25 seers, maize or Indian-corn 17 to 22½ seers, and gram 13 to 21½ seers.

CALCUTTA,

The 9th April 1878.

## mentioned Districts of Bengal for the Fortnight ending 31st March 1878.—(Contd.)

THE SEER OF 40 TOLAHS.

THE SEER OF 80 TOLANS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAOI OR MURWA AND CHERNA.			MAIZE OR INDIAN- CORN			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
Eastern Districts—(Contd.)																		
S. Ch	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Chittagong.
...	...	...	...	...	...	...	...	...	9 0	9 0	9 0	120 0	120 0	120 0	7 8	7 8	9 0	Noakholly *
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.
...	...	...	...	...	...	...	...	...	11 0	12 0	13 0	...	...	...	8 8	8 8	8 12	Chittagong Hill Tracts.
...	...	...	...	...	...	...	...	...	...	...	...	320 0	320 0	200 0	6 6	6 6	6 10	Hill Tipperah.
...	...	...	...	...	...	...	...	...	10 5	10 0	12 6	...	...	...	8 0	8 0	8 0	BEHAR.
...	...	...	...	...	...	19 0	20 0	35 0	17 8	21 0	30 0	150 0	150 0	140 0	8 0	8 0	8 0	Patna.
...	...	...	...	...	...	...	...	...	16 0	18 8	25 0	160 0	160 0	160 0	8 0	8 0	8 0	Gya.
16 0	16 0	25 0	15 0	16 0	25 0	...	...	...	14 0 to 15 0	14 8 to 16 0	22 0	160 0	160 0	180 0	9 0	8 4	8 8	Shahabad.
...	...	...	20 1	20 12	33 0	18 8	19 8	31 12	14 4	13 8	20 12	181 0	187 0	176 0	8 12	8 12	8 12	Durbhunga.
...	...	...	...	...	...	18 0	19 0	30 0	13 0	11 6	18 0	160 0	160 0	110 0	8 0	8 0	8 8	Mozuffepore.
16 0	17 8	35 0	18 0	18 0	30 0	16 4	17 8	34 0	13 0	13 8	23 0	160 0	160 0	160 0	8 0	8 0	9 0	Sarun.
...	...	...	...	...	30 8	20 0	21 0	38 0	17 0	18 0	17 0	...	...	...	7 8	7 8	7 8	Chunparun.
...	...	...	...	...	...	16 8	16 8	26 2	14 7	18 9	31 5	147 0	126 0	126 0	8 4	8 4	8 4	Monghyr.
...	...	...	...	...	...	17 11	17 11	30 9	15 12	15 11	15 15	151 9	151 9	164 2	8 13	8 13	8 13	Bhagalpore.
...	...	...	...	...	...	...	...	...	12 0 to 15 0	13 0	16 0	160 0	160 0	160 0	7 8	7 8	7 8	Purneah.
...	...	...	...	...	...	23 0	15 0	15 0	16 0	25 0	120 0	120 0	139 0	8 8	8 0	8 4	Maldah.	
...	...	...	...	...	...	16 0	...	12 0	12 0	24 0	200 0	200 0	200 0	8 0	8 0	8 0	Sonthal Pergas.	
ORISSA.																		
...	...	...	21 0	21 0	28 14	...	...	...	15 12	15 12	11 200 0	200 0	200 0	11 0	11 0	13 0	Cuttack	
...	...	...	...	...	...	...	...	...	14 7	14 7	19 6	105 0	105 0	105 0	10 8	10 8	13 2	Poorce.
...	...	...	...	...	...	...	...	...	7 0	10 0	11 0	85 0	120 0	90 0	7 0	8 0	9 0	Balasore.
CHOTA NAGPORE.																		
South-Western Frontier Agency.																		
...	...	...	18 0	18 0	33 0	16 4	16 8	30 0	11 12	13 0	19 0	240 0	240 0	240 0	8 0	8 0	8 0	Hazareebagh.
...	...	...	28 0	30 0	40 0	...	24 0	...	16 0	17 0	22 0	160 0	160 0	180 0	7 0	7 0	7 0	Lohardugga.
...	...	...	...	...	...	...	...	...	14 0	20 0	22 0	320 0	320 0	320 0	6 8	6 8	6 8	Singbhoom.
...	...	...	64 0	64 0	64 0	36 0	40 0	...	13 0	14 0	22 0	200 0	200 0	240 0	8 0	8 0	8 0	Manbhoom.

W In Begn Seraf the prices are—Wheat 15·7 seers, barley 21 seers, best rice 8·9 seers, common rice 13·6 seers, great millet 18·6 seers, lesser millets 21 seers, maize or Indian-corn 18·9 seers, and gram 10·8 seers.

X In the interior the prices range as follow:—Wheat 15 to 18 seers, barley (at Banka) 20 seers, best rice 15 to 17 seers, common rice 16 to 18 seers, murwa 25 to 26 seers, maize or Indian-corn (at Banka) 29 seers, and gram (at Banka) 17½ seers.

Y In the interior the prices range as follow:—Wheat 12 to 20 seers, best rice 12 to 14 seers, common rice 13 to 16 seers, and gram 12 to 15 seers.

Z In the interior the prices range as follow:—Wheat 13 to 15½ seers, barley 16 to 20 seers, best rice 13 to 15 seers, common rice 14 to 17½ seers, maize or Indian-corn 17 to 20 seers, and gram 15 to 20 seers.

Z1 In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 18 to 22 seers, best rice (at Chuttra) 9 seers, common rice 12 to 13½ seers, maize or Indian-corn 14 to 16 seers, and gram 12 to 16 seers.

Z2 In the interior the prices range as follow:—Wheat 13·50 to 15 seers, barley (at Daltongunge) 17 seers, best rice 11·25 to 17 seers, common rice 13 to 18 seers, mohwa (at Daltongunge) 33·65 seers, murwa 20·25 to 26 seers, maize or Indian-corn (at Daltongunge) 18·55 seers, and gram 16·85 to 25 seers.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 6 6	3 6 0	...	2 4 0	2 13 6	...	7 0 0	5 8 0	...	3 13 0	3 7 9	...	...	...	...
2	Serajunge ...	3 8 0	3 8 0	...	...	...	...	5 0 0	3 0 0	...	3 0 0	2 14 0	...	...	...	...
3	Dacca ...	3 5 0	3 0 0	...	1 2 0	1 3 0	...	3 4 0	3 4 0	...	3 0 0	2 13 0	...	...	...	...
4	Naraingunge...	...	...	...	...	...	...	3 4 0	3 2 0	...	3 0 0	2 14 0	...	...	...	...
5	Chittagong ...	...	...	...	...	...	...	4 12 0	4 2 0	...	3 8 0	3 4 0	...	...	...	...
6	Patna ...	2 10 0	2 8 0	...	2 0 0	1 14 3	...	4 3 6	4 0 0	...	2 10 0	2 8 0	...	...	...	...
7	Balasore ...	4 0 0	4 0 0	...	...	...	...	3 2 0	3 12 0	...	3 0 0	3 4 0	...	...	...	...
8	Pooree ...	...	...	...	...	...	...	...	...	...	3 4 0	3 0 0	...	...	...	...
9	Cuttack ...	3 10 0	3 4 0	...	...	...	...	4 2 0	4 2 0	...	3 4 0	3 4 0	...	...	...	...

CALCUTTA,  
The 9th April 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 31st March 1878.

OF 40 SEERS.

GREAT MILLET— CHOLUM, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
3 0 0	3 7 9	...	...	...	...	...	...	...	2 12 0	2 12 6	...	0 7 0	0 7 0	...	1 4 0	1 0 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	...	...	...	...	4 0 1	4 0 0	...	Serajgunge.
...	...	...	...	...	...	...	...	...	2 14 0	2 14 0	...	0 6 0	0 6 0	...	4 0 0	4 0 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 2 0	3 2 0	...	0 10 0	0 9 0	...	4 5 3	4 4 9	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	2 3 6	2 0 0	...	2 4 6	1 14 3	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 0 0	3 8 0	...	0 7 6	0 5 6	...	5 8 0	5 0 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	1 12 0	1 12 0	...	...	...	...	2 6 0	2 6 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

A. MACKENZIE,  
Secy. to the Govt. of Bengal.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd March 1878.	Rain from 24th to 30th March 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.	1878.			
	Burdwan ... ..	Burdwan ... ..	0.87	Nil	1.34	30th Mar.	Not received 17th to 23rd March.	
		Cutwa ... ..	0.40	ditto	1.48	ditto		
		Culina ... ..	Nil	ditto	1.76	ditto		
		Bood-Bood ... ..	0.89	ditto	1.79	ditto		
		Raneegunga ... ..	Not recd.	ditto	0.51	ditto		
	Jehanabad ... ..	Jehanabad ... ..	1.23	ditto	2.85	ditto		
		Bankoora ... ..	Bankoora ... ..	2.83	ditto	5.22	ditto	
	Beerbhoom ... ..	Sooree ... ..	0.32	ditto	1.36	ditto		
		Hetampore ... ..	Nil	ditto	0.31	ditto		
		Roypoie ... ..	ditto	ditto	0.20	ditto		
	Midnapore ... ..	Midnapore ... ..	1.00	ditto	2.19	ditto		
		Tumlook ... ..	1.01	ditto	2.50	ditto		
		Ghattal ... ..	0.41	ditto	3.84	ditto		
		Contai... { Dy. Collr.'s Office... { Exe. Engr.'s Office	0.77	ditto	1.40	ditto		
Hooghly ... ..	Hooghly ... ..	1.17	ditto	1.64	ditto			
	Serampore ... ..	0.14	ditto	1.21	ditto			
Howrah ... ..	Howrah ... ..	0.58	ditto	1.91	ditto			
	Maheshwreka ... ..	0.44	ditto	2.10	ditto			
	CENTRAL DISTRICTS.							
PRESIDENCY.	24-Pargunnahs ... ..	Saugor Island ... ..	1.40	ditto	2.70	ditto	Not received 17th to 23rd Feb.	
		Alipore ... { Observatory ... { Dispensary ... { Jail ...	0.53	ditto	1.30	ditto		
		Alipore ... { Observatory ... { Dispensary ... { Jail ...	0.58	ditto	4.47	ditto		
		Alipore ... { Observatory ... { Dispensary ... { Jail ...	0.50	ditto	4.37	ditto		
		Busseerhat ... ..	0.34	ditto	1.98	ditto		
		Baraset ... ..	0.40	ditto	1.38	ditto		
		Diamond Harbour ... ..	1.13	ditto	3.20	ditto		
		Baripore ... ..	0.85	ditto	3.10	ditto		
		Satkhira ... ..	0.16	ditto	2.45	ditto		
		Barrackpore ... ..	0.54	ditto	1.85	ditto		
		Dum-Dum ... ..	0.43	ditto	2.25	ditto		
		Kishnaghar ... ..	0.52	ditto	2.03	ditto		
		Bongong ... ..	0.13	ditto	2.78	ditto		
		Meherpore ... ..	Nil	ditto	1.09	ditto		
		Choodanga ... ..	ditto	ditto	2.10	ditto		
		Nuddea ... ..	Kooshitea ... ..	0.04	ditto	3.32		ditto
			Ranaghat ... ..	0.61	ditto	2.80		ditto
	Jessore ... ..		Nil	ditto	2.80	ditto		
	Narail ... ..		ditto	ditto	1.31	ditto		
	Khoolna ... ..		ditto	ditto	1.24	ditto		
	Jessore ... ..	Jhemda ... ..	ditto	ditto	4.41	ditto		
		Bagnhat ... ..	ditto	ditto	2.10	ditto		
		Magoorah ... ..	ditto	ditto	3.61	ditto		
		Berhampore ... ..	0.03	ditto	1.01	ditto		
		Rampore Haut ... ..	0.07	ditto	1.17	ditto		
	Moorshedabad ... ..	Lalbagh ... ..	Nil	ditto	0.71	ditto		
		Jungpore ... ..	0.30	ditto	1.55	ditto		
		Azumgunge ... ..	Nil	ditto	1.50	ditto		
		Lalgolla ... ..	ditto	ditto	0.88	ditto		
		Kandee ... ..	0.17	ditto	1.04	ditto		
	Dinagopore ... ..	Dinagopore ... ..	0.15	ditto	2.95	ditto		
		Raigunge ... ..	Nil	ditto	1.69	ditto		
Maldah ... ..	Maldah ... ..	0.80	Not recd.	2.78	23rd Mar.			
	Chanchal ... ..	0.08	ditto	2.01	ditto			
Rajshahye ... ..	Bauleh ... ..	Nil	Nil	0.49	30th Mar.			
	Nattore ... ..	ditto	ditto	1.12	ditto			
Rungpore ... ..	Rungpore ... ..	0.40	ditto	0.94	ditto			
	Bhabanigunge ... ..	0.74	ditto	2.19	ditto			
	Kurgram ... ..	0.11	ditto	1.29	ditto			
	Bagdogra ... ..	Nil	ditto	1.00	ditto			
Bogra ... ..	Bogra ... ..	ditto	ditto	2.48	ditto			
	Sherpore ... ..	0.10	ditto	2.41	ditto			
	Newkhilla ... ..	0.10	ditto	1.50	ditto			
	Panchabibi ... ..	Nil	Not recd.	1.90	23rd Mar.			
	Halulya ... ..	Not recd.	ditto	1.40	16th Mar.			
Pubna ... ..	Pubna ... ..	Nil	Nil	1.91	30th Mar.			
	Serajungunge ... ..	ditto	ditto	3.41	ditto			
Darjeeling ... ..	Darjeeling... { Telegraph Office { Hospital	0.10	0.06	3.58	ditto			
	Darjeeling... { Telegraph Office { Hospital	0.10	0.06	2.15	ditto			
Julpigoree ... ..	Julpigoree ... ..	Nil	Nil	1.24	ditto			
	Boda ... ..	ditto	ditto	1.30	ditto			
	Buxa—Civil Surgeon's Office	ditto	1.62	3.70	ditto			
	Titalya ... ..	ditto	Nil	0.77	ditto			
Cooch Behar Tributary States.	Cooch Behar ... ..	ditto	Not recd.	1.61	23rd Mar.			

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd March 1878.	Rain from 24th to 30th March 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
BENGAL—continued.							
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.		
		Dacca... { Telegraph Office ...	0 01	0 10	1 59	30th Mar.	
		... { Hospital ...	Nil	Nil	1 58	ditto	
	Dacca	Moonsheegunge ...	ditto	ditto	2 66	ditto	
		Manickgunge ...	ditto	0 52	1 51	ditto	
	Furiedpore	Furiedpore ...	ditto	Nil	3 75	ditto	
		Goshundo ...	0 03	ditto	1 90	ditto	
		Madanpore ...	Nil	ditto	4 25	ditto	
		Backergunge	Burisal ...	0 04	ditto	1 02	ditto
	Perazepore ...		Nil	ditto	2 52	ditto	
	Patoonkhaily ...		ditto	ditto	1 19	ditto	
	Bhoia ...		ditto	0 06	1 10	ditto	
	Mymensingh	Mymensingh ...	0 02	Nil	3 98	ditto	
		Jamalpara ...	Nil	ditto	2 27	ditto	
		Atia ...	ditto	ditto	1 81	ditto	
		Kishoregunge ...	ditto	ditto	5 18	ditto	
CHITTAGONG.	Chittagong	Chittagong { Telegraph Office ...	Nil	0 20	2 30	ditto	
		... { Jail ...	ditto	0 26	2 79	ditto	
		Cox's Bazar ...	ditto	Nil	2 27	ditto	
	Nonakhilly	Nonakhilly ...	ditto	ditto	1 17	ditto	
		Fenny ...	ditto	0 06	4 70	ditto	
	Tipperah	Comilla ...	ditto	1 11	1 58	ditto	
		Brahmunbarah ...	ditto	1 78	5 05	ditto	
	Chittagong Tracts.	Hill { Rangamatee Hill ...	ditto	0 80	3 81	ditto	
		... { Kuma ...	ditto	Nil	1 90	ditto	From 17th February.
	Hill Tipperah	Hill Tipperah ...	ditto	1 62	5 97	30th Mar.	
BEHAR.							
PATNA.	Patna	Patna ...	0 07	Nil	1 31	ditto	
		Behar ...	0 07	ditto	1 44	ditto	
		Bah ...	Nil	ditto	1 28	ditto	
		Dumapora ...	ditto	ditto	1 50	ditto	
	Gya	Gya ...	0 11	ditto	1 49	ditto	
		Nawalah ...	0 18	ditto	2 31	ditto	
		Surungabad ...	0 53	ditto	1 52	ditto	
		Jhababad ...	0 03	ditto	2 36	ditto	
	Shahabad	Atrah ...	Nil	ditto	1 28	ditto	
		Sasse am ...	0 20	ditto	1 13	ditto	Not received 24th Feb. to 2nd Mar.
		Buxar ...	Nil	ditto	2 70	ditto	
		Bhutwah ...	ditto	Not recd.	2 80	23rd Mar.	
	Muzafferpore	Muzafferpore ...	ditto	Nil	1 56	3rd Mar.	
		Hanepore ...	0 01	ditto	1 17	ditto	
		Sectanurree ...	Nil	ditto	1 12	ditto	
		Durbhanga	Durbhanga ...	ditto	ditto	1 04	ditto
	Durbhanga	Mudhoonurree ...	ditto	ditto	0 89	ditto	
		Tajpore ...	ditto	ditto	0 41	ditto	
		Chupra ...	ditto	ditto	1 22	ditto	
	Saron	Sewan ...	ditto	ditto	2 65	ditto	
		Mot hasee ...	ditto	ditto	1 11	ditto	
	Champani	Pettah ...	ditto	ditto	1 28	ditto	
		Segowlee ...	ditto	ditto	1 55	ditto	
		Monghyr	Monghyr ...	0 01	ditto	0 93	ditto
	Monghyr	Begoussera ...	Nil	ditto	2 04	ditto	
		Jamosee ...	ditto	ditto	1 55	ditto	
		Bhagulpore	Bhagulpore ...	ditto	ditto	2 26	ditto
	Blagulpore	Sopool ...	ditto	ditto	Nil	ditto	
		Muddehpore ...	ditto	ditto	0 90	ditto	
		Banka ...	0 17	ditto	2 13	ditto	
		Sonbursa ...	Nil	ditto	1 00	ditto	
	Purneah	Purneah ...	0 10	ditto	1 13	ditto	
		Kissengunge ...	Nil	ditto	0 81	ditto	
		Arriareh ...	ditto	ditto	0 50	ditto	
		Nya Doonka ...	0 10	ditto	0 62	ditto	
	Sonthal Pergunnahs	Rajmenat ...	Nil	ditto	1 05	ditto	
		Deoghur ...	0 12	Not recd.	1 32	23rd Mar.	
		Godda ...	0 16	Nil	1 12	30th Mar.	

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd March 1878.	Rain from 24th to 30th March 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	0.20	Nil	0.40	30th Mar.	
		Cuttack... { Hospital	0.75	Not recd.	1.14	23rd Mar.	
		Jajpore	0.20	ditto	0.20	ditto	
		Kenuaparah	Nil	ditto	0.80	ditto	
		Jagatsingapore	ditto	ditto	0.50	ditto	
		False Point	ditto	Nil	0.60	30th Mar.	
	Pooree	Pooree	0.03	0.01	0.12	ditto	
		Knurdah	Nil	0.02	0.15	ditto	
	Balasore	Balasore...	1.05	Nil	2.10	ditto	
		Bhanack	Nil	ditto	0.72	ditto	
		Jelinsore	3.21	ditto	4.90	ditto	
		Sorah	1.00	ditto	2.88	ditto	
		Chandbally	0.12	0.40	1.72	ditto	
	Cuttack Tributary Mehals.	Sumbalporo	0.15	Not recd.	0.75	23rd Mar.	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazarcebagh	Hazarcebagh { Jan Dispensary	0.99	Nil	1.63	30th Mar.	
		Pachamba	0.55	ditto	1.31	ditto	
	Lohardugga	Ranchee	0.22	ditto	0.81	ditto	
		Palamow	0.78	ditto	3.01	ditto	
	Singbhoom	Palamow	0.80	ditto	0.97	ditto	
		Chyebassa	1.41	ditto	3.37	ditto	
	Manbhoom	Parudia	1.92	ditto	4.77	ditto	
		Gowindporo	Nil	ditto	1.59	ditto	
	ASSAM & ADJA-CENT HILLS.						
	Sylhet	Sylhet	0.24	1.56	5.05	ditto	
	Sibsagar	Sibsagar	0.50	Not recd.	3.95	23rd Mar.	
		Golaghat	1.31	ditto	6.03	ditto	
		Jorhat	0.00	ditto	3.10	ditto	
	Rajpootana	Akyab	Nil	Nil	0.69	30th Mar.	
		Alwar	ditto	ditto	1.20	ditto	
		Japur	ditto	ditto	1.29	ditto	
		Sambar	ditto	ditto	0.10	ditto	

Not received 3rd to 9th Mar.

CALCUTTA,  
The 6th April 1878.

JOHN ELIOT, M.A.,  
• Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 31st March to 6th April 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100	WIND.		Rain	Clouds	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
ALIPORE.	Mar. 31st	10	29.760	29.781	88.4	80.5	69	S W	63			b
	April 1st	16	29.612	29.643	91.0	80.9	55	W S W	125			b
		10	29.825	29.846	88.0	80.0	60	W S S	93			b
	2nd	16	29.731	29.752	90.2	80.0	63	S W by W	163			b
		10	29.877	29.898	80.5	78.0	70	S S W	88		K	c
	3rd	16	29.760	29.781	89.9	80.9	66	S W by S	140		FK	c
		10	29.859	29.880	89.8	81.0	66	S W	113		K	c
	4th	16	29.717	29.738	101.1	78.7	23	W	78		C, CK	c
		10	29.803	29.821	91.9	76.4	12	S W by W	80		C	c
	5th	16	29.657	29.678	10.9	72.8	22	W	93		K	c
		10	29.8 8	29.909	91.2	73.8	41	S W by S	33		K, CS	c
	6th	16	29.770	29.791	96.1	78.0	42	S by W	62	0.01	K	c
10		29.926	29.947	89.0	76.1	53	S S	73		C, CK	c	
MAUROR ISLAND.	16	18	29.8 4	29.835	90.5	78.8	58	S S	87		K, FK	c
	Mar. 31st	10	29.779	29.785	86	81	89	S S W	131		P, FK	b, m
	April 1st	16	29.662	29.668	87	82	80	S S W	161		PK, FK	b, m
		10	29.849	29.855	87	81	76	S S W	213		PK, FK	b, m
	2nd	16	29.751	29.757	87	82	80	S	182		PK, FK	b, m
		10	29.887	29.893	87	81	81	S S W	151		PK	m, o
	3rd	16	29.778	29.784	86	81	81	S S E	131		PC	b, m
		10	29.872	29.878	87	83	77	S S E	96		PK	b, m
	4th	16	29.748	29.754	87	83	89	S S W	59		PC	b, m
		10	29.809	29.815	89	81	69	S S W	50		CK	b, m
	5th	16	29.821	29.827	87	83	89	S S W	116		PK, FK	b, m
		10	29.901	29.907	89	81	69	S S E	90		PK	b, m
CHITTAGONG.	6th	10	29.796	29.802	89	79	63	S S E	116		PK, FK	b, m
	10	29.928	29.934	87	81	76	S S E	106		PK, FK	b, m	
	Mar. 31st	10	29.8 6	29.842	87	81	76	S S E	106		PK, FK	b, m
	April 1st	16	29.700	29.701	87	79	89	S S E	106		PK, FK	b, m
		10	29.789	29.781	87	80	72	S S E	81		K	b, m
	2nd	16	29.876	29.867	88	79	63	W	108		K, FK, C	m
		10	29.816	29.838	87	80	72	S S E	80		K, FK, C	m
	3rd	16	29.794	29.885	89	81	69	S S W	78		PK	g
		10	29.854	29.835	89	81	69	S S E	51		K, FK, PK	g
	4th	16	29.861	29.856	87	81	76	S	27		CK	
		10	29.886	29.907	88	80	66	W S W	29		K	
	5th	16	29.954	29.971	89	80	66	E	31		P, K	
10		30.001	30.022	87	77	62	S W	23		CK		
DIAMOND ISLAND.	6th	10	29.956	29.977	84	78	59	W	23		CK	
	Mar. 31st	10	29.946	29.948	70	61	57	W	23		CK	
	April 1st	16	29.966	29.981	90	81	66	E	23		KP	
		10	29.963	29.924	93	80	55	W S W	19			b
	2nd	16	29.861	29.906	84	79	79	W S W	19			b
		10	29.926	29.968	84	79	79	W	89			b
	3rd	16	29.990	30.0 1	85	79	78	W S W	93			b
		10	29.990	30.000	85	80	79	W S W	69			b
	4th	16	29.898	30.030	85	80	79	S S W	59			b
		10	29.978	30.030	85	81	83	S S W	19			b
	5th	16	29.978	30.030	85	82	84	S W	31			b
		10	29.978	30.030	85	77	53	S E	69			b
CUTTACK.	6th	10	29.691	29.857	91	78	51	S	88			m
	Mar. 31st	10	29.829	29.909	90	79	60	S	29			m
	April 1st	16	29.862	29.881	95	76	39	N S W	32			c
		10	29.756	29.845	98	73	28	W S W	26			c
	2nd	16	29.804	29.884	93	71	38	W S W	26		CK	c
		10	29.850	29.940	89	75	50	N	26		C, CK	c
	3rd	16	29.770	29.785	90	79	60	W S W	75		CK, PC	c
		10	29.849	29.864	89	81	69	S S W	95		C, CK	c
	4th	16	29.809	29.841	92	80	72	S S W	94		C, CK	c
		10	29.869	29.828	97	79	51	W S W	93		C, CK	c
	5th	16	29.813	29.906	91	80	52	Calm.	65		CK	b
		10	29.891	29.946	88	80	69	S S W	68		C	b
VIZAGAPATAM.	6th	10	29.931	29.928	88	77	59	W by S	34		C, PC	b
	Mar. 31st	10	29.859	29.880	87	79	69	S	15	0.10		c
	April 1st	16	29.939	29.971	88	77	59	S E	43			b
		10	29.909	29.916	87	78	65	W by S	13			b
	2nd	16	29.846	29.877	80	78	59	W	31			b
		10	29.931	29.962	87	79	69	S by E	27	0.10		b
	3rd	16	29.940	29.960	88	79	68	S	12			b
		10	29.900	29.922	90	79	69	S E by S	17			c
	4th	16	29.771	29.794	88	80	69	S S E	14			c
		10	29.856	29.878	92	79	51	S S E	15			b
	5th	16	29.720	29.742	89	80	69	S E	13			b
		10	29.897	29.919	89	80	66	S E	18			b
MADRAS.	6th	10	29.783	29.805	88	80	69	S E by S	13			b
	Mar. 31st	10	29.976	29.999	89	79	63	E S E	11			b
	April 1st	16	29.870	29.892	88	79	66	S E by S	9			b
		10	29.991	30.013	90	78	56	E S E	10			b
	2nd	16	29.861	29.886	88	76	56	S E by E	12			b
		10	29.934	29.955	87	75	55	S E	12			b
	3rd	16	29.806	29.828	87	76	58	F S E	12			b
		10	29.959	29.981	88	77	62	S	12			b
	4th	16	29.851	29.873	87	80	73	S by W	26		C	b
		10	29.863	29.902	87	80	68	S	20		C	b
	5th	16	29.880	29.920	87	80	72	N	38		C	b
		10	29.920	29.960	89	82	73	W N W	24		C	b
6th	16	29.897	29.937	88	81	73	S W	29		C	b	
	10	29.907	29.947	88	80	83	W N W	12			b	

## Abstract of Observations as received in the Meteorological Office, Calcutta, during the month of February 1878.

N.B.—The Barometric data are reduced for temperatures and not for height above sea-level.

BAROMETER.				RADIATION THERMOMETER.						TEMPERATURE OF AIR.						VAPOUR TENSION.				HUMIDITY.		RAIN-FALL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
MEAN OF P.				SOLAR.		GROSS NECTURNAL.				MEAN OF MIN.		MEAN OF MAX.		MEAN OF MIN.		MEAN OF MAX.		MEAN OF MIN.		MEAN OF MAX.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Height above sea-level.	10 hours.	16 hours.	Mean.	Above max.	Shade.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.		Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.	Day.	Night.	Mean.	Shade.	Min.	Max.

## CALCUTTA—FEBRUARY 1878.

Mean barometric pressure of 25 years	29.949	Mean temperature of 25 years	72.8	Mean humidity of 25 years	67	Mean rainfall of 50 years	0.89
Do do of 1878	29.985	Do do of 1878	73.4	Do do of 1878	69	Actual fall in 1878	0.54
Excess in 1878	0.036	Excess in 1878	0.6	Excess in 1878	2	Defect in 1878	0.35

A. PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 8th April 1878.

*Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anemometric Results and Cloud Observations.*

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.										Percentage and Resultant.	Mean velocity daily.	Mean clouds.
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.	Calm.				
Seabangor ...	30.053	64.1	1	23	18	3	...	3	1	2	6	62 N 61° E	52.0	8.20	
Goalpara ...	.004	68.5	...	7	12	3	...	3	7	5	19	14 N 57° E	69.0	2.86	
Darjeeling ...	...	...	...	...	...	1	20	12	10	1	12	61 S 33° W	...	6.48	
Purneah ...	29.991	68.0	...	1	8	...	...	6	37	6	...	63 N 89° W	78.7	1.48	
Durbhunga ...	30.009	66.2	1	1	5	1	1	18	23	6	...	62 S 76° W	93.6	1.80	
Patna ...	.015	68.9	1	1	3	1	...	1	47	2	...	80 N 88° W	45.3	3.68	
Gya ...	.016	73.7	6	2	4	2	1	5	20	16	...	65 N 65° W	73.8	2.43	
Hazareebagh ...	.034	72.5	2	1	2	2	2	3	27	17	...	68 N 76° W	155.1	2.00	
Berhampore ...	.002	71.7	1	1	1	1	1	11	29	11	...	75 W	75.5	1.41	
Burdwan ...	.004	74.5	6	3	2	3	2	3	30	7	...	56 N 78° W	58.3	1.29	
Jessore ...	.005	73.1	13	1	...	7	5	5	17	8	...	38 N 74° W	47.4	1.38	
Dacca ...	.004	74.1	3	1	1	1	3	22	7	0	12	48 S 65° W	74.9	1.57	
Silchar ...	.031	69.5	...	4	9	1	...	6	4	1	31	7 S 68° E	45.1	4.54	
Chittagong ...	.030	75.3	8	8	2	4	7	13	10	3	1	20 S 73° W	119.9	2.57	
Alipore ...	.007	73.4	17	7	8	...	6	27	36	11	...	45 N 85° W	107.4	1.61	
Saugor Island ...	.000	77.2	13	14	4	6	34	20	7	8	...	28 S 25° W	182.7	2.54	
Cuttack ...	20.996	81.4	9	9	6	4	4	7	6	11	...	21 N 17° W	68.7	1.96	
False Point ...	30.015	77.3	...	5	3	10	9	13	5	2	4	40 S 6° W	150.6	2.43	
Vizagapatam ...	.014	82.5	...	1	17	22	23	7	34	8	...	35 S 17° W	49.8	0.85	
Madras ...	.039	78.6	3	14	16	23	...	...	...	...	...	76 S 85° E	100.0	2.60	
Akyab ...	.044	75.8	6	5	11	2	...	3	17	10	...	30 N 36° W	77.5	0.88	
Port Blair ...	.002	82.1	12	37	7	...	...	...	...	...	...	90 N 41° E	107.7	2.43	
Nancowry ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Roorkee ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Allahabad ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

## NOTE.

**Barometric Pressure.**—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 18. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table, "Prof. papers on Indian Engineering, No. CXIII." The temperatures at the sea-level are taken from column 3 of the above table.

**Temperature.**—The temperatures in column 3 are reduced from those in column 18 on the preceding page, by adding 1° Fahrenheit for every 450 feet.

**Wind Resultant.**—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

**Cloud.**—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 10.

The above, being all comparable, afford the data for constructing a meteorological chart for the month which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

ALEXANDER PEDLER,

Offg. Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 8th April 1878.

## Results of the Meteorological Observations taken at the Alipore Observatory from 31st March to 6th April 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 33° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
March	31st	151.9	29.001	84.7	95.6	17.4	78.2	70.3	0.928	77.0	77	W S W and S W	208	Nil	Morning cloudy, day and night clear and o.
April	1st	149.3	.783	83.2	92.9	14.0	78.0	78.7	.922	76.8	81	Chiefly S S W	243	"	Chiefly clear.
"	2nd	152.7	.824	83.4	91.4	12.4	79.0	78.8	.923	76.9	81	S S W and S	233	"	Cloudy, o and lr.
"	3rd	154.9	.785	86.2	101.5	22.3	79.2	78.1	.855	74.5	68	Till 2 P.M. N N W through W and N W, till midnight S W through N W and W.	188	"	Day partially cloudy, night clear.
"	4th	150.7	.768	87.8	102.1	24.1	78.0	76.5	.762	71.1	59	Till 2½ P.M. N by W through W and N W, till 8 P.M. S through N W and W, till midnight W through S W.	172	"	Partially cloudy, o, g and lr.
"	5th	150.5	.833	84.7	97.0	21.0	78.0	74.1	.702	68.7	59	Till 9 A.M. N by E through N W, till 9 P.M. S through W and S W, till midnight N E by E through W and N.	113	0.04	Day partially cloudy, night clear.
"	6th	155.4	.864	81.7	95.9	22.9	73.0	75.6	.806	72.7	75	Till 2½ P.M. N W through N E and N, till 7 A.M. S E by E through N and E, till midnight S through S E.	188	Nil	Day cloudy, night clear o, g, t and l.

The mean pressure of the seven days ... 29.792  
The average pressure of the corresponding period for 25 years, S. G. Office ... 29.802

The mean temperature of the seven days ... 84.5  
The average temperature of the corresponding period for 25 years, S. G. Office ... 83.7  
The extreme variation of temperature during the seven days ... 29.1  
The maximum temperature during the seven days ... 102.1

The mean relative humidity during the seven days ... 71  
The average relative humidity of the corresponding period for 25 years, S. G. Office ... 68

The total fall of rain from 31st March to 6th April 1878 ... 0.04  
The average fall of the corresponding period for 25 years, S. G. Office ... 0.37  
The total fall from 1st January to 6th April 1878 ... 1.35  
The average fall of the corresponding period for 25 years, S. G. Office ... 3.24

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, lr lightning reflection, g gloomy, t thunder, l lightning.

METEOROLOGICAL OFFICE, INDIA,

The 9th April 1878.

HENRY F. BLANFORD,

Meteorological Reporter to the Government of India.

**Abstract of the results of the Meteorological Observations taken at the Alipore  
Observatory in the month of March 1878.**

			Inches.	Date.	Hour.
The mean pressure of the month	...	...	29.912		
The average pressure of 25 years	...	...	29.870		
The highest pressure during the month	...	...	30.086	21st	10h.
The lowest pressure during the month	...	...	29.612	31st	16h.
The range of pressure during the month	...	...	0.474		
<hr/>					
The mean temperature of the month	...	...	78.5		
The average temperature of 25 years	...	...	80.5		
The highest temperature during the month	...	...	97.5	26th	16h.
The lowest temperature during the month	...	...	56.9	3rd	6h.
The range of temperature during the month	...	...	40.6		
The mean daily range of temperature during the month	...	...	21.3		
The greatest range of temperature in one day during the month	...	...	29.2	6th	
<hr/>					
The mean humidity during the month	...	...	% 67		
The mean vapour tension during the month	...	...	Inches. 6.66		
The average humidity of 25 years	...	...	% 66		
The average vapour tension of 11 years	...	...	Inches. 0.700		
The mean cloud proportion of the month	...	...	2.42		
<hr/>					
The total rainfall of the month	...	...	Inches. 0.77		
The average fall of 50 years	...	...	1.32		
The greatest fall in 24 hours	...	...	0.27	18th	
<hr/>					
The number of rainy days in the month	...	...	Days. 4		
The average number of rainy days of 25 years	...	...	4		
<hr/>					
⊙					
The mean maximum equilibrium temperature of solar radiation of the month	...	...	149.4		
The mean difference of sun and air temperatures	...	...	58.1		
The greatest sun temperature	...	...	154.9	25th	
The greatest excess of sun over air temperature	...	...	65.7	18th	
The mean temperature of nocturnal radiation thermometer on woollen cloth	...	...	63.3		
The mean depression of nocturnal radiation thermometer below the minimum of air	...	...	6.7		
The greatest depression of nocturnal radiation thermometer below the minimum of air	...	...	12.2	2nd	
<hr/>					
The mean movement of the wind per day	...	...	Miles. 154.1		
The greatest movement of the wind in one day	...	...	253.0	27th	
The greatest movement of the wind in one hour	...	...	21.0	19th	midnight
<hr/>					
The number of observations under each of the 8 points—					
N46, NE32, E15, SE12, S127, SW299, W152, NW60, Calm 1.					

JOHN ELIOT,

*Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA, the 9th April 1878.



PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

ORISSA CIRCLE.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of January 1878.

Kendrapara Canal.

LENGTH OF CANAL OPEN—39 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

LOCAL TRAFFIC.

(1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
108	Paddy	17,778	35,556	27,006	980	30,036	837 12 0	.....
82	Rice	31,439	1,16,765	40,357	1,441	54,302	636 14 0	.....
2	Hides	568	5,690	786	28	192	11 10 0	.....
13	Teel-woods	3,062	13,388	3,826	137	5,480	68 2 6	.....
1	Piece-goods, &c.	1,141	12,935	1,141	40	1,000	24 6 0	.....
11	Spices	1,450	20,000	3,104	114	4,560	46 2 0	.....
13	Gram, &c.	3,076	6,712	4,413	167	5,496	58 4 0	.....
28	Jaggery	3,490	17,400	4,919	175	3,124	36 10 0	.....
1	Cocoanut	130	105	180	6	240	2 10 0	.....
2	Turmeric	475	2,375	640	23	920	9 6 0	.....
1	Cloth packages	200	4,000	307	13	520	5 4 0	.....
1	Ganjah	50	10,000	144	5	200	1 14 0	.....
2	Khuree	356	875	642	23	920	9 6 0	.....
2	Lac	375	3,450	438	10	640	7 10 3	.....
1	Straw	40	5	75	3	48	0 6 0	.....
1	Cotton	150	1,500	226	8	128	1 2 0	.....
6	Laterite stone	1,500	29	2,073	106	2,544	14 8 0	.....
16	Timbers	4,550	13,724	6,384	228	7,408	80 7 0	.....
11	Salt	1,061	9,005	3,187	113	3,193	32 6 0	.....
1	Store, &c.	1,203	15,870	1,794	49	1,840	28 0 6	.....
2	Firewood	370	42	560	20	562	7 12 3	.....
2	Coal, &c.	740	870	803	20	644	13 6 0	.....
5	Gunny-bags	746	4,476	1,317	43	1,272	11 0 0	.....
5	Gallnuts	1,500	4,500	2,140	76	3,040	31 2 0	.....
5	Miscellaneous	1,020	11,081	1,478	52	2,060	25 12 0	.....
13	Sleeper	4,320	11,955	6,088	218	8,720	93 12 0	.....
1	Lime	500	125	550	20	800	8 4 0	.....
1	Twist, &c.	470	20,220	470	16	640	9 12 0	.....
1	Tiles	400	6	477	17	680	7 2 0	.....
7	Passenger boats	.....	.....	521	18	720	9 3 0	.....
246	Empty boats	.....	.....	24,065	801	28,800	288 8 0	.....
585	Total	83,534	3,51,542	1,42,200	5,074	1,81,334	1,968 0 7	0 1 9
142	Total of same month last year	9,889	18,750	21,053	763	19,730	184 4 0	0 1 7
MISCELLANEOUS.								
...	Timbers, 191 in number	.....	795	.....	.....	.....	56 10 0	.....
...	Bamboos, 43,250 in number	.....	638	.....	.....	.....	86 0 4	.....
...	Demurrage on boats	.....	.....	.....	.....	.....	0 8 0	.....
...	Total	.....	1,434	.....	.....	.....	143 2 4	.....
5	Total of same month last year	.....	184	.....	.....	.....	16 10 0	.....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

4	Laterite stone	2,000	31	3,012	107	3,824	40 14 0	.....
3	Empty boats	.....	.....	1,230	44	1,320	18 4 0	.....
7	Total	2,000	31	4,242	151	5,144	59 2 0	0 2 0
...	Total of same month last year	.....	.....	.....	.....	.....	.....	.....
MISCELLANEOUS.								
59	Boats passed free	.....	.....	.....	.....	.....	.....	.....
59	Total	.....	.....	.....	.....	.....	.....	.....
...	Total of same month last year	.....	.....	.....	.....	.....	.....	.....

TRAFFIC BETWEEN CUTTACK AND SEABOARD.

(1) PRIVATE.

...	Total	.....	.....	.....	.....	.....	.....	.....
377	Total of same month last year	48,117	1,42,482	1,16,866	4,245	1,69,900	1,845 9 10	.....
MISCELLANEOUS.								
...	Total	.....	.....	.....	.....	.....	.....	.....
10	Total of same month last year	.....	524	.....	.....	.....	77 9 0	.....

Kendrapara Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

TRAFFIC BETWEEN CUTTACK AND SEABOARD—continued.  
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
...	Total	...	...	...	...	...	...	...
16	Total of same month last year	4,800	1,561	12,353	411	17,010	181 2 0	...
	MISCELLANEOUS.							
...	Total	...	...	...	...	...	...	...
...	Total of same month last year	...	...	...	...	...	...	...

ABSTRACT—LOCAL TRAFFIC.

585	Private, including miscellaneous	83,534	3,52,970	1,42,200	5,074	1,81,334	2,111 8 11	...
66	Government stores, including miscellaneous	2,000	31	4,212	151	5,144	59 2 0	...
651	Total	85,534	3,53,007	1,46,412	5,225	1,86,478	2,170 10 11	...
147	Total of same month last year	9,889	18,914	21,058	752	19,730	200 14 0	...

TRAFFIC BETWEEN CUTTACK AND SEABOARD.

...	Private, including miscellaneous	...	...	...	...	...	...	...
...	Government stores, including miscellaneous	...	...	...	...	...	...	...
...	Total	...	...	...	...	...	...	...
403	Total of same month last year	62,717	1,44,571	1,31,219	4,686	1,87,149	1,603 13 10	...
451	Grand total	85,534	3,53,007	1,46,412	5,225	1,86,478	2,170 10 11	...
550	Grand total of same month last year	62,605	1,63,485	1,52,277	5,438	2,07,170	1,804 11 10	...
	Deduct amount erroneously charged by No. 6 lock-keeper to the manjees.	...	...	...	...	...	5 0 0	...
							1,799 11 10	...

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	1,359 12 11
Amount of tollage for the month	2,170 10 11
	Total 3,530 7 10
Amount credited in the accounts for the month	2,677 15 9
Balance at the end of the month	852 8 1

High Level Canal.

LENGTH OF CANAL OPEN—37 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

24	Paddy	4,104	8,216	8,246	294	10,013	120 4 9	...
18	Rice	3,118	12,472	6,236	223	7,582	91 15 6	...
24	Gallnuts	2,058	2,953	6,907	211	7,174	86 10 0	...
12	Gingelly	1,135	4,510	2,270	81	2,754	32 4 0	...
10	Salt	1,330	6,650	1,810	65	2,145	38 14 0	...
17	Straw and grass	2,172	543	4,010	143	1,980	40 13 6	...
5	Jaggery	600	2,500	1,913	68	816	6 14 0	...
6	Gram	325	487	633	23	433	6 8 0	...
12	Timber	1,607	5,330	3,394	121	4,114	63 12 0	...
2	Castor seed	269	941	539	19	616	7 14 0	...
1	Salt fish	80	625	127	5	170	1 14 0	...
2	Chalk	151	680	302	11	334	5 10 0	...
2	Cotton	250	2,600	467	17	312	3 4 0	...
2	Furniture	173	350	343	12	408	4 11 0	...
7	Passenger boats	...	...	1,300	46	1,564	22 9 8	...
125	Empty boats	...	...	13,414	480	16,320	178 3 6	...
369	Total	18,231	49,306	50,014	1,810	56,765	710 4 5	0 2 4
352	Total of same month last year	17,248	47,726	38,930	1,391	32,138	412 5 8	0 2 6
	MISCELLANEOUS.							
...	Total	...	...	...	...	...	...	...
8	Total of same month last year	...	253	...	...	...	27 12 0	...



SOUTH-WESTERN CIRCLE.

Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A. P.	A. P.
27	Betel-leaves	845	3,660	3,655			20 13 9	
3	Bricks and tiles, 1,500 in number	200	113	800			7 0 0	
1	Bamboos, 800 in number	100	1,500	2 0			0 12 0	
27	Brass and copper and their manufactures	2,783	1,02,455	7,780			69 12 0	
19	Coal and coke	5,515	3,035	7,720			80 12 6	
12	Cotton, raw	605	12,350	1,450			14 8 6	
53	Cotton, twist and yarn (European)	4,710	1,39,050	15,145			164 10 6	
35	Cotton, piece-goods (European)	2,102	2,06,580	7,855			106 0 0	
8	Ditto ditto (Indian)	139	27,100	1,335			10 9 0	
26	Cocoanuts, 68,750 in number	1,324	2,207	4,145			63 10 3	
12	Curd	470	1,428	2,225			19 7 6	
1	Castor-seed	200	600	350			5 4 0	
1404	Empty boats			1,10,555			1,463 15 6	
20	Earthenware	1,203	429	3,655			15 11 6	
112	Fruits and nuts of all kinds	32,300	67,905	56,825			754 10 6	
11	Firewood	355	105	1,300			7 1 6	
90	Gram and pulse	8,865	32,630	25,440			227 1 6	
9	Gunny-bags, 16,100 in number	271	845	1,650			24 4 6	
9	Gunny cloth, 936 in number	234	2,340	1,320			4 15 0	
15	Goat and sheep, 945 in number	174	1,195	1,155			13 4 9	
5	Hides of cattle, untanned, 3,000 in number	490	3,000	750			10 11 0	
5	Horns	225	5,025	1,000			8 12 0	
9	Indigo-seed	1,175	11,225	2,655			36 12 0	
2	Indigo	60	15,000	300			7 4 0	
5	Iron and its manufactures	45	300	360			7 12 0	
1	Intoxicating drugs other than opium	10	3,000	125			1 14 0	
19	Jute, raw	1,633	6,540	5,255			22 8 3	
1	Lime and limestone	60	67	125			1 1 6	
5	Liquor	34	6,300	485			12 12 0	
1	Linseed	150	450	275			4 2 0	
58	Mustard	5,430	21,820	14,750			104 9 6	
52	Miscellaneous	3,196	8,106	10,885			119 13 0	
2	Other oilseed	400	1,600	775			6 12 6	
4	Other saline substances	245	350	790			5 4 3	
1	Oil	20	300	100			0 8 0	
13	Other fibres, raw	1,976	8,260	4,795			110 11 3	
1169	Passenger boats			65,230			731 15 0	
579	Paddy	60,102	77,899	1,06,315			2,051 9 3	
1	Pieces of tanned leather, 960 in number	225	1,125	400			6 0 0	
1	Plank	80	160	575			2 2 6	
2	Resin	475	2,375	800			12 0 0	
496	Rice	1,06,910	2,77,591	1,98,515			2,384 0 0	
9	Spices	650	6,900	2,075			31 6 0	
87	Salt	23,775	1,15,654	50,910			403 14 0	
25	Sugar, unrefined	1,725	5,922	4,795			64 10 3	
3	Sugar, refined	370	3,100	650			3 7 6	
41	Straw, 775 kahans	5,768	2,755	19,675			78 2 6	
12	Silk, raw	240	1,37,880	2,200			19 4 0	
6	Stone plates	1,525	6,400	2,950			22 4 0	
50	Sal piles, 765 in number	2,479	3,120	4,275			57 0 0	
15	Sand	4,775	240	10,950			41 7 0	
51	Timber, 315 in number	3,506	5,686	4,340			123 2 0	
38	Tobacco	3,755	23,880	9,785			120 3 9	
40	Vegetable and other kinds of provisions	1,454	8,739	4,830			63 4 9	
8	Wheat	720	2,472	1,680			18 4 3	
4041	Total	2,06,514	13,77,063	7,89,276	28,188	5,87,050	9,613 14 3	0 3
4053	Total of same month last year	2,16,539	11,03,901	6,41,635	22,915	4,60,263	7,037 11 0	0 3
MISCELLANEOUS.								
..	Passengers, 11,475 in number						237 9 4	
10	Demurrage, &c.						16 4 5	
10	Boats passed free							
10	Total						253 13 9	
73	Total of same month last year		1,452				253 6 0	

(3) STORES AND MATERIALS FOR IRRIGATION WORKS.

16	Coal	6,700	2,064	11,375			47 5 0	
1	Machine			575			2 14 0	
5	Empty boats			1,150			13 8 0	
3	Block stones	1,200	165	2,265			55 12 6	
1	Scorkee-mill wheel	10	60	90			2 11 3	
2	Rubble stones	800	850	1,675			9 1 0	
28	Total	8,710	3,139	17,130	611	7,763	131 4 3	0 3 2
..	Total of same month last year							
MISCELLANEOUS.								
..	Passengers, 1 in number						0 1 0	
..	Total						0 1 0	
..	Total of same month last year							

Midnapore Canal.—Continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
4,651	Private, including miscellaneous ...	Mds.	Rs.				Rs. A. P.	A. P.
28	Government stores, including ditto ...	2,06,514	13,77,063	7,80,275	28,188	5,87,050	9,807 12 0	.....
		8,710	5,139	17,130	611	7,762	131 5 3	.....
4,679	Grand total ...	3,05,224	13,80,202	8,00,405	28,799	5,94,812	9,909 1 3	.....
4,118	Grand total of same month last year ...	2,40,859	11,05,443	0,41,035	22,915	4,60,303	7,311 1 0	.....

MEMO.		Rs. A. P.	
Unrecovered balance on the 1st of the month ...	.....	1,714	5 3
Amount of tollage for the month ...	.....	9,939	1 3
Total ...		11,713	6 6
Amount credited in the accounts for the month ...	.....	10,000	14 1
Balance at the end of the month ...	.....	1,712	8 5

Hidgellie Tidal Canal.

LENGTH OF CANAL OPEN—29 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

163	Paddy ...	14,013	15,400	27,835	.....	289	8 6	.....
191	Rice ...	10,089	20,870	22,005	.....	243	10 3	.....
79	Miscellaneous ...	2,400	11,827	7,055	.....	89	7 3	.....
10	Timbers ...	503	2,214	580	.....	32	4 0	.....
1	Sands ...	20	2	50	.....	0	9 0	.....
7	Salt ...	1,070	6,750	3,025	.....	23	11 9	.....
1	Earthenwares (No. 400) ...	5	6	40	.....	0	7 0	.....
2	Straw (22 kahuns) ...	306	44	625	.....	4	4 9	.....
3	Other fibreg ...	300	1,200	625	.....	4	4 8	.....
5	Bricks (No. 4,350) ...	440	40	900	.....	6	3 0	.....
2	Mustard ...	65	320	150	.....	1	0 3	.....
1	Cocoanuts (No. 550) ...	12	19	50	.....	0	5 0	.....
3	Coal ...	492	185	1,225	.....	8	6 9	.....
2	Sugar refined ...	120	440	300	.....	2	1 0	.....
1	Tobacco ...	7	35	70	.....	0	7 6	.....
1	Iron ...	5	25	175	.....	3	2 9	.....
1	Vegetables ...	3	3	10	.....	0	1 3	.....
2	Firewood ...	60	15	225	.....	1	8 9	.....
10	Passenger boats ...	.....	.....	895	.....	12	14 6	.....
289	Empty boats ...	.....	.....	19,060	.....	153	12 0	.....
774	Total ...	30,839	59,495	86,760	3,098	50,034	877 2 6	0 3 3
2,832	Total of same month last year ...	1,01,730	1,82,494	2,45,800	10,207	1,83,070	3,167 8 6	0 3 3
MISCELLANEOUS.								
...	Passengers (No. 52) ...	.....	.....	.....	.....	1	7 9	.....
...	Demurrage ...	.....	.....	.....	.....	1	3 6	.....
...	Total ...	.....	.....	.....	.....	2	11 3	.....
...	Total of same month last year ...	.....	4,519	.....	.....	69	13 0	.....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.—Nil

ABSTRACT.

774	Private, including miscellaneous ...	30,839	59,495	86,760	3,098	50,034	879 13 0	.....
...	Government stores, including miscellaneous ...	.....	.....	.....	.....	.....	.....	.....
774	Grand total ...	30,839	59,495	86,760	3,098	50,034	879 13 0	.....
2,832	Grand total of same month last year ...	1,01,730	1,87,047	2,85,800	10,207	1,83,070	3,267 5 6	.....

MEMO.		Rs. A. P.	
Unrecovered balance on the 1st of the month ...	.....	92	0 0
Amount of tollage for the month ...	.....	879	13 0
Total ...		971	13 0
Amount credited in the accounts for the month ...	.....	971	0 3
Balance at the end of the month ...	.....	0	13 3

SONE CIRCLE.

*Arrah Canal.*

LENGTH OF CANAL OPEN—65 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

### LOCAL TRAFFIC.

(1) PRIVATE.

9	Gram, wheat, &c.	...	4,311	8,622	6,401	231	5,077	90	1	0	.....
19	Sesamium seeds	...	6,700	3,350	8,000	307	12,285	150	4	0	.....
23	Salt	...	4,060	23,300	7,138	255	2,319	170	5	9	.....
11	Rice	...	2,004	4,136	2,527	80	644	66	4	0	.....
3	Lime	...	406	240	476	24	819	9	9	9	.....
4	Pans	...	1,093	1,168	1,975	71	166	39	15	6	.....
17	Passenger boats	...	.....	.....	536	10	1,079	23	7	9	.....
18	Empty boats	...	.....	.....	924	33	1,320	10	15	0	.....
120	Total	...	19,830	40,796	28,937	1,030	23,213	540	0	0	44
68	Total of same month last year	...	4,085	8,729-6	14,590	537	13,709	168	12	0	23
MISCELLANEOUS.											
Rafts of bamboo and bulias, &c., 30351 in number.			.....	500	.. ..	.....	.....	34	15	6	.. ..
Total			.....	500	.. ..	.....	.....	34	15	6	.....
Total of same month last year			.....	153	.....	.....	.....	2	1	0	.....

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
24	Ashlar, rubble, and mile stone ...	4,800	339	7,297	261	4,170	38 5 9	...
8	Girdar of bridge, pipes, and iron gates ...	3,035	609	3,833	137	3,654	60 2 9	...
3	Coal ... ..	800	596	1,428	61	714	11 3 3	...
1	Coke ... ..	354	8,850	492	19	1,001	10 6 3	...
4	Brick ... ..	1,520	43	1,961	70	2,241	24 13 9	...
11	Office furniture ... ..	60	100	452	16	596	2 1 9	...
9	Empty boats ... ..	.....	.....	1,788	64	1,980	29 5 9	...
60	Total ...	10,569	10,533	17,253	417	13,856	174 7 3	24
47	Total of same month last year ...	5,923	991	13,507	497	11,602	143 15 3	23
	MISCELLANEOUS.							
...	Total ...	.....	.....	.....	.....	.....	.....	...
...	Total of same month last year ...	.....	123	.....	.....	.....	2 15 0	..

### ABSTRACT.

120	Private, including miscellaneous ...	19,930	41,206	28,835	1,030	23,213	574 15 6	...
80	Government stores, including ditto ...	10,559	10,533	17,253	617	13,858	174 7 3	...
180	Grand total	30,489	51,739	46,088	1,647	37,060	740 6 9	...
115	Grand total of same month last year	10,604	1,001-6	28,106	1,034	25,371	317 11 3	...

## MEMO.

MEMO.					Rs. A. P.		
Unrecovered balance on the 1st of the month	...	...	...	...	782	0	4
Amount of tollage for the month	...	...	...	...	749	6	0
				Total	1,531	7	1
Amount credited in the accounts for the month	...	...	...	...	1,161	13	6
Balance at the end of the month	...	...	...	...	370	9	7

*Western Main Canal.*

LENGTH OF CANAL OPEN—22 MILES.

## LOCAL TRAFFIC.

(1) PRIVATE.

	Spices and ghee	533	4,200 0 0	100	32	332	12 15 0	
1	Salt	25	123 0 0	100	4	88	0 13 0	
14	Teel	3,625	14,500 0 0	5,950	212	5,424	81 12 6	
6	Gairo, Chukse and jatta	1,350	1,350 0 0	2,250	80	2,040	32 5 6	
1	Passenger boat	.....	.....	25	1	16	0 5 9	
23	Empty boats	.....	.....	2,275	81	1,610	18 10 3	
50	Total	5,523	20,175 0 0	11,500	410	10,054	146 14 0	0 28
2	Total of same month last year	100	7 0 0	425	16	80	2 10 6	0 63
	MISCELLANEOUS.							
...	Total	.....	.....	...	...	.....	.....	.....
...	Total of same month last year	.....	.....	.....	...	...	0 14 0	...



Patna Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE.		TONNAGE OF BOATS.		Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.		

ABSTRACT.

171	Private, including miscellaneous	11,054	30,205	33,470	1,195	69,597	902 13 7	.....
532	Government stores, including miscellaneous	40,737	11,149	80,511	3,090	89,121	1,222 0 0	.....
703	Grand Total	52,091	50,413	1,20,251	4,291	1,59,418	2,124 13 7	.....
...	Grand total of same month last year	.....	.....	.....	.....	.....	.....	.....

MEMO.

Unrecovered balance on the 1st of the month	...	...	...	...	...	Rs. A. P.
Amount of tollage for the month	...	...	...	...	...	125 14 10
						2,124 13 7
					Total	2,250 12 5
Amount credited in the accounts of the month	...	...	...	...	...	2,024 5 0
					Balance at the end of the month	226 7 5

ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1877-78.		TOLLAGE OF THE YEAR 1876-77.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
Kendraparali ... ..	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
High Level, Section I ... ..	2,170 10 11	17,578 13 2	1,799 11 10	12,973 13 6	
Talgauda ... ..	728 15 2	5,420 14 0	577 7 6	3,015 13 2	
	65 14 1	1,252 1 8	59 12 7	1,009 13 11	
Total Orissa Circle ...	2,965 8 2	24,257 12 10	2,436 15 11	16,999 8 7	
SOUTH-WESTERN CIRCLE.					
Midnapore ... ..	9,990 1 8	84,274 0 0	7,311 1 0	59,692 7 0	
Hidgeloo Tidal ... ..	879 13 0	58,022 11 9	3,257 5 6	35,178 10 1	
Total South-Western Circle ...	10,878 15 0	1,42,296 11 9	10,568 6 6	94,871 1 1	
SONO CIRCLE.					
Arrah ... ..	740 6 0	10,546 2 2	817 11 3	3,339 12 2	
Western Main ... ..	547 1 0	3,018 4 9	146 8 3	300 14 3	
Patna ... ..	2,124 13 7	3,976 7 5	.....	.....	
Total Sono Circle ...	3,421 6 1	17,540 14 4	461 3 6	3,640 10 5	
Grand Total ...	17,265 13 3	1,94,095 6 11	13,469 9 11	1,15,611 4 1	

F. T. HAIG, Col., R.E.,

Joint Secy. to the Government of Bengal,  
P. W. Dept., Irrigation Branch.

The 26th March 1878.



Weekly Return of Traffic Receipts on Indian Railways.

BENGAL PROVINCIAL RAILWAYS.  
Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING.		TOTAL RECEIPTS FROM 1ST JANUARY.		Total increase in 1878.	Total decrease in 1878.
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
23rd February	Northern Bengal ..	172	..	12,855 0 0	..	52,431 0 0	52,431 0 0	.....
10th March	Tirhoot ..	79	9,729 0 0	18,062 0 0	24,140 0 0	72,530 0 0	48,307 0 0	.....
2nd "	Calcutta and South-Eastern ..	24	2,150 0 0	2,554 0 0	16,178 0 0	19,721 0 0	3,543 0 0	.....
2nd "	Nalhati ..	27½	1,965 0 0	2,712 0 0	14,300 0 0	15,808 0 0	1,509 0 0	.....
	Total ..		13,850 0 0	34,133 0 0	54,627 0 0	1,60,586 0 0	1,05,900 0 0	.....

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 30th March 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN		
	No. of passengers.	Coachwork receipts.		Weight carried.	Receipts.					Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.	£ s. d.				
Total traffic for the week	154,074	2,31,842 4 0	21,527 4 1	15,02,237 20	5,22,520 11 6	47,908 5 8	7,57,368 16 6	45,709 1	101,696 ½	147,404 ½		
Or per mile of railway	..	183 8 1	16 16 5	..	408 4 11	37 8 7	591 13 0	..	..	..	..	..
For previous 12 weeks of half-year	1,691,056 ½	21,48,349 13 9	224,432 1 5	1,78,08,571 30	65,02,008 2 0	590,022 18 3	89,50,417 15 9	550,729 ½	1,287,835 ½	1,838,635 ½		
Total for 13 weeks	1,845,131	26,83,192 1 9	245,959 5 0	1,93,10,809 10	70,24,594 13	6,643,921 8 11	97,07,786 15 3	595,569	1,389,531 ½	1,985,100 ½		
COMPARISON.												
Total for corresponding week of previous year	134,220 ½	1,95,033 6 6	17,960 11 3	14,22,102 0	5,60,703 6 6	62,222 16 3	7,05,630 13 0	44,587	102,555	147,142		
Per mile of railway, corresponding week of previous year	..	153 1 8	14 0 8	..	446 2 8	40 16 2	598 4 4	..	..	..	..	..
Total to corresponding date of previous year	18,94,651 ½	30,18,482 12 3	276,694 5 1	1,69,33,930 30	70,08,410 0 11	650,687 11 9	1,01,16,892 13 2	628,482	1,303,493	19,31,967		

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 30th March 1878 on 223½ miles open.

	Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.	£ s. d.	Rs. A. P.	£ s. d.	Total receipts.
Total traffic for the week	7,115 ½	21,929 5 6	2,010 3 10	1,36,360 0	41,984 14 0	3,848 12 3	63,911 3 0	4,744 ½	7,567 ½	12,311 ½
Or per mile of railway	..	98 0 2	8 19 8	..	187 10 3	17 4 0	286 10 5	..	..	..
For previous 12 weeks of half-year	83,234	2,04,583 13 6	24,620 3 11	10,92,701 20	4,83,178 11 0	44,291 7 7	7,51,762 10 6	61,054 ½	107,837 ½	168,892 ½
Total for 13 weeks	1,00,349 ½	2,90,513 5 0	26,630 7 9	18,29,061 20	5,23,163 9 0	48,130 19 10	8,15,676 14 0	65,799	115,405	181,204
COMPARISON.										
Total for corresponding week of previous year	7,305 ½	24,429 8 0	2,239 7 5	3,07,923 30	77,370 10 0	7,092 6 2	1,01,800 2 0	4,024	18,527	23,151
Per mile of railway, corresponding week of previous year	..	109 2 11	10 0 2	..	345 12 8	31 13 11	454 15 7	..	..	..
Total to corresponding date of previous year	1,05,050	4,03,167 6 6	36,957 0 3	31,42,974 20	7,94,431 10 0	72,822 18 0	11,97,590 0 6	69,597	203,141	271,738

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 30th March 1878 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coachwork receipts.		Weight carried.	Receipts.				
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.	£ s. d.	
Total traffic for the week	48,705	48,265 8 3	4,451 16 9	1,73,954 0	40,829 4 4	3,742 13 8	3,194 10 5		
Or per mile of railway	..	308	306 14 3	..	258 0 1	23 13 0	51 15 8		
For previous 12 weeks of half-year	495,908 ½	3,87,350 11 11	55,507 2 11	23,73,772 22	5,85,515 4 8	53,609 14 8	89,206 17 7		
Total for 13 weeks	544,573 ½	4,35,916 4 2	39,964 19 8	23,47,726 23	6,26,044 9 0	57,442 8 4	97,401 8 0		
COMPARISON.									
Total for corresponding week of previous year	55,444 ½	23,801 15 0	2,181 16 11	2,33,092 34	41,831 13 4	3,834 11 8	6,016 8 7		
Per mile of railway, corresponding week of previous year	..	150 6 6	13 15 9	..	264 5 5	24 4 7	38 0 4		
Total to corresponding date of previous year	491,698 ½	3,59,218 10 5	32,928 7 6	25,30,786 0	4,83,322 4 0	44,304 10 10	77,233 18 4		

NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd March 1878 on 172 miles open.

	Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.	£ s. d.
Total traffic for the week	7,022	5,366 0 0	538 12 0	35,405 0	11,934 0 0	1,193 8 0	1,780 0 0
Or per mile of railway	..	31 0 0	3 2 0	..	69 0 0	6 18 0	10 0 0
For previous 11 weeks of half-year	55,875	38,090 0 0	3,869 0 0	1,62,112 0	86,777 0 0	8,077 14 0	7,546 14 0
Total for 12 weeks	62,897	44,056 0 0	4,405 12 0	1,97,697 0	48,711 0 0	4,871 2 0	9,270 14 0
COMPARISON.							
Total for corresponding week of previous year	..	..	..	..	..	..	..
Per mile of railway, corresponding week of previous year	..	..	..	..	..	..	..
Total to corresponding date of previous year	..	..	..	..	..	..	..

[REGISTERED NO. 29.]

No. 16 of 1878.



SUPPLEMENT TO  
**The Calcutta Gazette.**

WEDNESDAY, APRIL 17, 1878.

OFFICIAL PAPERS.

*• Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 13th April 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIV.	1 Burdwan, Apl. 14 '78	2.64	Weather—cloudy. Cotton and <i>til</i> are doing well. Cholera and small-pox are still reported.
	2 Bankoora, „ 13 „	1.85	Storms on the evenings of the 8th and 12th cooled the air. Rain has done good to indigo as well as to the other crops.
	3 Beerbhoom, „ 14 „	1.30	Rain on the 8th, and a heavy storm of wind and rain on the 13th. The rain will enable people to plough land for <i>aman</i> rice.
	4 Midnapore, „ 13 „	0.82	Light rain. Weather warm in the day and cool at night. The state and prospects of the crops are fair.
	5 Hooghly, „ 13 „	1.91	Weather—cloudy since the night of the 12th. Rain fell on the nights of the 8th and 12th. The rain of the 12th has been very beneficial. The land is being ploughed for early and late paddy. Preparations are being made for the sowing of early paddy. Cholera exists in a sporadic form. A few cases of small-pox have been reported from Bansbaria and Bulagur.
	Howrah, „ 15* „	1.67	Weather—cooler than last week. The rain has been of much benefit in preparing the land for the plough.
<i>Central Districts.</i>			
PRESIDENT DIV.	6 24-Pergunnahs, Apl. 13 '78	1.98	Weather—hot and stormy. Rain has done good. Ploughing is in progress. Cholera is abating. Some cattle disease is reported.
	7 Nuddea, „ 13 „	1.95	The weather has been hot and dry, but from the 12th it has been the reverse. On the night of the 12th 1.69 inches of rain fell. There is nothing new to report regarding the crops. The rain will no doubt improve the prospects for next season. There is a good deal of cholera in the district.
	8 Jessore, „ 13 „	1.76	Weather—sultry, with occasional thunder-storms. Rain is wanted for both paddy and indigo. <i>Boro dhan</i> which is on the ground is not doing well for want of rain. In Narail it has been injured by hail. Prices are very high. There was a good rainfall on the night of the 12th, which seems to have been general.
	Magoora „ „	0.53	
	Khoolna „ „	0.47	
	Bagirhat „ „	0.10	
	Narail „ „	0.80	
	Jhenida „ „	0.08	
RAJSHAHY AND COOCH BEHAN DIV.	9 Moorshedabad, „ 13 „	1.30	Weather—sultry and hot till the night of the 12th, when rain fell. Rain was sorely needed and will do much good. More, however, is required. Up to date the soil has been too hard and dry to break up. Prices of food are very high.
	10 Dinagepore, „ 12 „	0.06	Weather—cloudy. High easterly winds. Ploughing for rice is proceeding. Rice is selling at 15½ seers per rupee.
	11 Rajshahye, „ 13 „	0.40	Very slight showers throughout the district during the week. <i>Boro dhan</i> is thriving. <i>Amun dhan</i> , jute and <i>til</i> continue to be sown, and the more advanced crops are looking well. The land is under preparation for the <i>aus</i> crop. Heavy rain is much needed before it can be sown. The price of food-grains is unusually high in all parts of the district. A few cases of cholera continue to be reported from Bagmara, Charghat and Poothea police stations.
	12 Rungpore, „ 12 „	0.71	A severe hail-storm passed through the station on the evening of the 9th at 5 P. M. The hail-stones were of extraordinary size, many of them as large as an orange. This has been followed by a lowering of temperature, and the sky is still overcast with clouds. The state and prospects of the crops on the whole still continue to be favourable, though much injury has been done to mangoes and tobacco by the recent hail-stones. Most fortunately not much of the latter crop was still on the ground. Other damage done by the hail is most inconsiderable. Rice is at present very dear. Cholera is prevalent in some parts of the district and in the jail.
	Gaibanda „ „	0.105	
	Bagdogra „ „	0.18	
	Kurigram „ „	Nil	
	13 Bogra, „ 13 „	Nil	There was a little rain during the week. The pressing of sugarcane is nearly over; the outturn is not as good as usual. Sowings of jute and early rice continue. Prices still continue high. Some cases of cholera have been reported from Bogra, Panchibibi, and Shibgunge stations.
	14 Pubna, „ 13 „	1.11	Weather—hot, with occasional gales. The sky appears to promise an early fall of rain. The state and prospects of the crops remain unchanged. There is not much to report on them. Some cases of cholera and small-pox have been reported.

\* Report of 15th shows rainfall during the week ending 13th.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
RAJSHAHY & COOCH BEHAR DIVN.—contd.	Central Districts.		
	15 Darjeeling Apl. 13 '78	1.6	A good deal of rain and heavy mist for this time of the year. There was a heavy fall of hail at the Sudder station and in its vicinity on the 10th. The land is still being prepared for the sowings of <i>bhadoi</i> rice. Wheat and barley have nearly all been harvested. The young crop of Indian-corn is doing well.
	16 Jalpigoree, " 13 "	2.38	The rain of the week has done great good to the tea gardens in the Dooars. The prospects of the crops are good. Cholera in one or two places is reported, but is apparently of a sporadic character.
	Cooch Behar, " 11 "	0.90	Weather—cooler since the rain; occasional storms. The rain is good for the <i>bitri dhan</i> ; <i>cheena</i> and <i>kaon</i> are also benefitted. Tobacco has suffered, and it is said that very low prices are ruling for tobacco already in the market. The reason of this is not clear. Enquiries are being made. Public health is good.
	Dinhatta ...	0.5	
	Muthabhunga ...	0.66	
Meckligunge ...	Nil		
Dacca Divn.	Eastern Districts.		
	17 Dacca, Apl. 13 '78	2.13	The weather has been much cooler during the week, owing to occasional showers of rain. A very strong wind has been blowing during the latter part of the week. The state of the crops is generally very good. General health is good. Cholera exists in places. Considering the number of pilgrims assembled, mortality was very small.
	Moonsheegunge ...	1.11	
	18 Furreedpore, " 13 "	3.96	There has been rain all over the district during the week, the fall being very heavy at Furreedpore itself. The weather is now very like fine weather in the rains. The rainfall has been very useful both in places where the soil has still to be turned up and where the crop is above ground. A good crop is expected. A good deal of fever is reported, and there have been also cases of cholera in various places, but as yet no serious outbreak.
	Goulundo ...	1.41	
	Madaripore ...	2.21	
	19 Haeckergunge, " 11 "	0.81	There was strong south wind with storms in the evenings and nights nearly daily. Ploughing is still backward and the crops on the ground are suffering for want of rain. Health is not good, though cholera and small-pox are not so prevalent.
	20 Mymensingh, " 12 "	1.50	Weather—cool and showery. Sowing is general.
	21 Tipperah, " 12 "	2.02	Weather—changeable. Rain fell on the 6th, 9th, 10th and 11th. On the 11th the fall was heavy. The ryots are busy in ploughing and in sowing <i>aus dhan</i> . They are beginning to get in the <i>boro dhan</i> crop, which is a good one.
	Sub-division ...	0.71	
CHITTAGONG DIVN.	22 Chittagong, " 11 "	1.35	Strong south-west wind with occasional clouds. A shower of rain with lightning on the evening of the 10th. The prospects of the crops are very good. Rice is selling from 8 to 16 seers per rupee.
	23 Noakholly, " 11 "	0.08	High south winds throughout the week. On the night of the 7th a sharp storm passed over the station. The cultivation of the early rice continues. Public health is good.
	24 Chittagong Hill Tracts, " 9 "	1.34	Occasional falls of rain throughout the week. This has lowered the temperature. Rain has done much good to the <i>aus</i> paddy crop, although it has retarded the burning of jooma.
	Hill Tipperah, " 10 "	0.70	Frequent thunder-storms, generally at night. Weather cooler than for some weeks previously. Nothing new to report about the crops. Prices have slightly fallen. Health has improved.
BEHAR.			
PATNA DIVN.	25 Patna, Apl. 13 '78	Nil	Weather—cloudy. Mornings are cold. The harvesting of the <i>rubbee</i> crops is over. The grain is now being threshed out.
	26 Gya, " 13 "	Few drops.	East wind and heavy clouds on the 13th. Maximum thermometer in the shade 106.4°. No change to report in the prospects of the crops. Prices are rising in parts of the district, and, except in Nowada, the outlook is gloomy. In Nowada the <i>rubbee</i> did much better than elsewhere.
	27 Shahabad, " 13 "	Slight rain.	Weather—cloudy and rainy. Slight rain fell on the night of the 12th, and it was raining at the time of report (i.e. morning of 13th). The threshing of the crops is still in progress. There are no crops in the field, except sugarcane and <i>cheena</i> . Prices in the market are gradually rising. Small-pox is reported towards Sasseram and Bhuboah.
	28 Darbhunga, " 13 "	0.25	The detailed reports of the yield of the <i>rubbee</i> harvest show a full average yield in twelve, three-fourths of an average in five, and half an average in two out of the nineteen police stations (thanas and outposts) into which the district is divided. Roughly speaking the harvest has been a full average one in two-thirds, and three-fourths of an average in the rest of the district. Rain fell on the morning of the 13th. It was greatly needed for indigo which was languishing. Cholera has not increased.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Contd.)			
PATNA.—(Continued.)	29 Mozufferpore, Apl. 13 '78	Nil*	Weather—cool, with east wind. The reaping of the <i>rubbee</i> crops is completed. Rain is wanted for <i>cheena</i> and indigo. Small-pox is reported in Majorgunge jurisdiction. Public health is generally good.
	30 Sarun, „ 13 „	Nil	Weather—hot and clear during the first five days; the last two days were cloudy, with few drops of rain and east wind. Rain is much wanted for cultivation and for the spring crops, such as <i>cheena</i> and <i>moong</i> , which are on the ground. The opium has failed generally. Indigo prospects are bad; the plants are sickly and withering away for want of moisture. What remains of the mango crop promises well. Prices have slightly risen. Public health is good.
	31 Chumpanau, „ 13 „	0.42	High east winds during the latter part of the week. The harvesting of the <i>rubbee</i> crops continues. Rain fell on the night of the 12th and will be of much benefit to indigo and <i>cheena</i> . Prices still remain high.
BHAGULPORE DIVISION.	32 Monghyr, „ 13 „	Nil	No change in the character of the weather. The prospects of the crops are changed. Prices, however, are very high, owing to exportation.
	33 Bhagulpore „ „	.....	Return not received.
	34 Purneah, „ 13 „	1.33	Weather—cool, with strong easterly winds. The <i>bhados</i> cultivation is progressing. The rain of the 13th will do much for it, as well as for the winter cultivation. The <i>rubbee</i> harvest is reported in some parts of the district as having returned a full crop. Cholera is prevalent.
	35 Maldah, „ 13 „	Nil	Weather—rather less hot. Storms here and there. No change to report in the state and prospects of the crops. The pilgrims in returning from the Koori Mela have left a few cases of cholera in thana Kharba.
	36 Sonthal Pergahs. „ 14 „	0.49	There has been heavier rain in other parts of the district than at head-quarters, and the weather is much cooler. No change in the state and prospects of the crops since last report.
ORISSA.			
ORISSA DIV.	37 Cuttack „ 13 „	0.28	Weather—hot and windy. Slight showers almost daily. Ploughing has commenced all over the district. <i>Dalua</i> rice is being cut and harvested. Cotton is doing well. Prices are very high. Public health is on the whole good.
	38 Pooree, „ 12 „	0.02	Weather—warm for the season. <i>Dalua</i> rice is being harvested. Rain is wanted for ploughing. Water in the wells and tanks is failing. Sugarcane is being planted. Exportation of rice is still going on. Common rice costs a rupee for 10½ to 15½ seers.
	Khoorda „ „	0.11	
	39 Balasore, „ 12 „	1.04	Frequent thunder-storms have cooled the air and softened the ground. Ploughing for the next crop is now general. The small crop of spring rice in the south-east corner of the district has been reaped and has yielded a favourable outturn. Cholera is less frequent.
	Bhadruck „ „	2.41	
CHOTA NAGPORE.			
	South-West Frontier Agency.		
40	Hazareebagh, Apl. 12 '78	0.11	Weather—seasonable. No change to report in the state and prospects of the crops. Matters are much the same as in last week.
41	Lohardugga, „ 13 „	0.32	Weather—unsettled; hot during the first part of the week, cloudy and cool on the 13th. Nothing new to report about the crops. <i>Mohwa</i> so far is on the whole fair. Exportation still continues, and prices rule exceedingly high.
42	Singbhoom, „ 12 „	0.42	Weather—seasonable. There was a severe storm, followed by heavy rain, on the 8th. Rain has enabled the fields to be ploughed and got ready for subsequent showers. The district is healthy.
43	Manbhoom, „ 13 „	0.55	Weather—hot and seasonable in the early part of the week, stormy and overcast towards its close. Nothing new to report about the crops. Immediate anxiety in regard to possible extended distress is removed by a generally fair <i>mohwa</i> crop. Prices continue high.

\* 1.78 since reported.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 16th April 1878.D. M. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th to 30th March 1878.	Rain from 31st March to 6th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.	Burdwan ... ..	Nil	0.07	1.41	6th April	Not received 17th to 23rd March.	
		Cutwa ... ..	ditto	Nil	1.46	ditto		
		Culm ... ..	ditto	0.12	1.88	ditto		
		Blood-Bood ... ..	ditto	0.19	1.98	ditto		
		Raneegunge ... ..	ditto	Nil	0.51	ditto		
		Jehanabad ... ..	ditto	0.43	3.31	ditto		
		Bankoora ... ..	Bankoora ... ..	ditto	Nil	5.22		ditto
		Beerbhoom ... ..	Sooree ... ..	ditto	ditto	1.36		ditto
			Hetampore ... ..	ditto	ditto	0.31		ditto
			Roypore ... ..	ditto	ditto	0.20		ditto
		Midnapore ... ..	Midnapore ... ..	ditto	ditto	2.19		ditto
			Tumlook ... ..	ditto	ditto	2.50		ditto
			Ghattal ... ..	ditto	0.16	4.00		ditto
		Hooghly ... ..	Contai... { Dy. Collr.'s Office...	ditto	Nil	1.40		ditto
			Exe. Engr.'s Office	ditto	Not recd.	1.61		30th Mar.
Hooghly ... ..	Hooghly ... ..		ditto	0.60	1.81	6th April		
Howrah ... ..	Serampore ... ..	ditto	0.75	2.06	ditto			
	Howrah ... ..	Howrah ... ..	ditto	0.04	2.14	ditto		
PRESIDENCY.	CENTRAL DISTRICTS.	Malleshreka ... ..	ditto	Nil	3.88	ditto		
		Saugor Island ... ..	ditto	ditto	2.70	ditto		
		Alipore ... { Observatory ...	ditto	0.04	1.31	ditto		
			Dispensary ...	ditto	0.03	4.50	ditto	
			Jail ... ..	ditto	0.03	4.40	ditto	
		24-Pergunnahs ... ..	Busseerhat ... ..	ditto	0.28	2.22	ditto	
			Baraset ... ..	ditto	0.68	2.07	ditto	
			Diamond Harbour ... ..	ditto	Nil	3.20	ditto	
		Nuddea ... ..	Barpore ... ..	ditto	Not recd.	3.10	30th Mar.	
			Satkhira ... ..	ditto	0.41	1.39	6th April	
			Barrackpore ... ..	ditto	0.80	2.65	ditto	
		Jessore ... ..	Dum-Dum ... ..	ditto	0.20	2.45	ditto	
			Kishnaghur ... ..	ditto	0.49	2.52	ditto	
			Bongong ... ..	ditto	0.37	3.13	ditto	
		Meherpore ... ..	Meherpore ... ..	ditto	0.36	1.36	ditto	
Chooadanga ... ..	ditto		1.77	3.87	ditto			
Kooshitea ... ..	ditto		0.25	3.57	ditto			
Ranaghat ... ..	Ranaghat ... ..	ditto	0.46	3.6	ditto			
	Jessore ... ..	ditto	1.14	4.21	ditto			
	Narail ... ..	ditto	0.11	1.15	ditto			
Moorshedabad ... ..	Khoolna ... ..	ditto	0.52	1.76	ditto			
	Jhenida ... ..	ditto	1.36	5.77	ditto			
	Baghat ... ..	ditto	0.20	2.30	ditto			
Magoorah ... ..	Magoorah ... ..	ditto	0.56	4.17	ditto			
	Berhampore ... ..	ditto	Nil	1.01	ditto			
	Rampore Haut ... ..	ditto	ditto	1.17	ditto			
Lalbagh ... ..	Lalbagh ... ..	ditto	ditto	0.71	ditto			
	Junagpore ... ..	ditto	ditto	1.50	ditto			
	Azumungunge ... ..	ditto	ditto	1.50	ditto			
Dinagopore ... ..	Lalgolla ... ..	ditto	ditto	0.88	ditto			
	Kandee ... ..	ditto	ditto	1.04	ditto			
	Dinagopore ... ..	Dinagopore ... ..	ditto	ditto	2.95	ditto		
Raigunge ... ..	Raigunge ... ..	ditto	ditto	1.69	ditto			
	Maldah ... ..	Maldah ... ..	Not recd.	ditto	2.78	ditto		
	Chanchal ... ..	Chanchal ... ..	ditto	ditto	2.01	ditto		
Rajshahye ... ..	Baulen ... ..	Nil	ditto	0.49	ditto			
	Nattore ... ..	ditto	ditto	1.12	ditto			
	Rungpore ... ..	Rungpore ... ..	ditto	ditto	0.91	ditto		
Bhaganigunge ... ..	Bhaganigunge ... ..	ditto	ditto	2.19	ditto			
	Kurigram ... ..	ditto	2.71	4.00	ditto			
	Bagdogra ... ..	ditto	1.40	2.40	ditto			
Bogra ... ..	Bogra ... ..	ditto	Nil	2.48	ditto			
	Sherpore ... ..	ditto	0.19	2.60	ditto			
	Nowkhilla ... ..	ditto	Nil	1.60	ditto			
	Panchabibi ... ..	Not recd.	Not recd.	1.90	23rd Mar.			
	Halulya ... ..	ditto	ditto	1.40	10th Mar.			
Pubna ... ..	Pubna ... ..	Nil	0.55	3.46	6th April			
	Seragunge ... ..	ditto	0.10	3.61	ditto			
Darjeeling ... ..	Darjeeling... { Telegraph Office	0.00	Not recd.	3.58	30th Mar.			
	Hospital ... ..	0.06	0.22	2.37	6th April			
Julpigoree ... ..	Julpigoree ... ..	Nil	Nil	1.24	ditto			
	Boda ... ..	ditto	0.27	1.57	ditto			
	Bura—Civil Surgeon's Office	1.02	Nil	3.70	ditto			
	Titulya ... ..	Nil	Not recd.	0.77	30th Mar.			
Cooch Behar Tributary States.	Cooch Behar ... ..	Not recd.	0.35	1.06	6th April	Not received 24th to 30th March.		

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th to 30th March 1878.	Rain from 31st March to 6th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.		
					Inches.	Up to date.			
BENGAL—continued.									
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.				
		Dacca ... { Telegraph Office...	0.10	Not recd.	1.59	30th Mar.			
		{ Hospital ...	Nil	2.76	4.34	6th April			
		Moonsheegunge ...	ditto	1.40	4.06	ditto			
		Manickgunge ...	0.52	1.60	3.11	ditto			
		Furreedpore ... { Furreedpore ...	Nil	1.46	5.21	ditto			
		{ Goulundo ...	ditto	1.23	3.13	ditto			
		{ Madaripore ...	ditto	1.75	6.00	ditto			
		Backergunge ... { Burrisal ...	ditto	0.02	1.04	ditto			
		{ Perozepore ...	ditto	Nil	2.52	ditto			
		{ Patoonkhally ...	ditto	0.04	1.23	ditto			
		{ Bhola ...	0.06	0.05	1.95	ditto			
		Mymensingh ... { Mymensingh ...	Nil	0.86	3.81	ditto			
		{ Jamalpore ...	ditto	Not recd.	2.27	30th Mar.			
		{ Atia ...	ditto	0.51	2.34	6th April			
		{ Kishoregunge ...	ditto	0.98	6.16	ditto			
		CHITTAGONG.	CHITTAGONG.	Chittagong { Telegraph Office	0.20	Nil	2.30	ditto	
{ Jail ...	0.26			ditto	2.79	ditto			
Cor's Bazar ...	Nil			0.09	2.36	ditto			
Noakholly ... { Noakholly ...	ditto			Nil	4.17	ditto			
{ Fenny ...	0.95			0.04	4.74	ditto			
Tipperah ... { Comillah ...	1.40			0.25	4.83	ditto			
{ Brahmunbariah ...	1.78			0.19	6.14	ditto			
Chittagong Hill { Rungamates Hill...	0.80			0.24	4.08	ditto			
Tracts. ...	Nil			0.04	1.94	ditto ...	From 17th February.		
Hill Tipperah ...	Hill Tipperah ...			1.62	1.03	7.02	ditto		
BEHAR.									
PATNA.	PATNA.	Patna ... { Patna ...	Nil	Nil	1.31	ditto			
		{ Behar ...	ditto	ditto	1.44	ditto			
		{ Barh ...	ditto	ditto	1.28	ditto			
		{ Dinapore ...	ditto	ditto	1.50	ditto			
		Gya ... { Gya ...	ditto	ditto	1.49	ditto			
		{ Nowadah ...	ditto	ditto	2.31	ditto			
		{ Aurungabad ...	ditto	ditto	1.52	ditto			
		{ Jehanabad ...	ditto	ditto	2.36	ditto			
		Shahabad ... { Arrah ...	ditto	ditto	1.08	ditto			
		{ Sasseram ...	ditto	ditto	1.13	ditto	Not received 24th Feb. to 2nd Mar.		
		{ Buxar ...	ditto	ditto	2.70	ditto			
		{ Bhuboah ...	Not recd.	ditto	2.80	ditto ...	Ditto 24th to 30th March.		
		Mozufferpore ... { Mozufferpore ...	Nil	ditto	1.56	ditto			
		{ Hajeeapore ...	ditto	ditto	1.17	ditto			
		{ Seetamurhee ...	ditto	ditto	1.12	ditto			
		Durbhunga ... { Durbhunga ...	ditto	ditto	1.04	ditto			
		{ Mudhoobunnee ...	ditto	ditto	0.89	ditto			
		{ Tajpore ...	ditto	ditto	0.41	ditto			
		Saun ... { Chupra ...	ditto	ditto	1.32	ditto			
		{ Sewan ...	ditto	ditto	2.05	ditto			
		Chumparun ... { Motiharee ...	ditto	ditto	1.11	ditto			
		{ Bettiah ...	ditto	ditto	1.28	ditto			
		{ Segowlee ...	ditto	ditto	1.55	ditto			
		BHAGULPORE.	BHAGULPORE.	Monghyr ... { Monghyr ...	ditto	Not recd.	0.93	30th Mar.	
				{ Begooesrai ...	ditto	ditto	2.03	ditto	
				{ Jaincoee ...	ditto	ditto	1.55	ditto	
Bhagulpore ... { Bhagulpore ...	ditto			Nil	2.26	6th April			
{ Soopool ...	ditto			ditto	Nil	ditto			
{ Muddehpooora ...	ditto			ditto	0.90	ditto			
{ Hanka ...	ditto			ditto	2.43	ditto			
{ Sonbursa ...	ditto			ditto	1.00	ditto			
Purneah ... { Purneah ...	ditto			ditto	1.13	ditto			
{ Kissengunge ...	ditto			ditto	0.81	ditto			
{ Arrareah ...	ditto			ditto	0.50	ditto			
{ Nya Doomka ...	ditto			ditto	0.62	ditto			
{ Rajmehal ...	ditto			ditto	1.05	ditto			
Sonthal Pergunnahs ... { Deoghur ...	Not recd.	ditto	1.32	ditto ...	Ditto ditto ditto.				
{ Godda ...	Nil	ditto	1.12	ditto					

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th to 30th March 1878.	Rain from 31st March to 6th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	Nil	0.40	6th April	
		... { Hospital	ditto	Not recd.	1.14	30th Mar.	
		Jajpore	ditto	ditto	0.20	ditto	
		Kondraparah	ditto	ditto	0.80	ditto	
		Jagatsingapore	ditto	ditto	0.50	ditto	
		False Point	ditto	Nil.	0.60	6th April	
		Pooree	0.01	ditto	0.12	ditto	
		Khurdah	0.02	0.05	0.20	ditto	
	Balasore	Balasore..	Nil	Nil	2.10	ditto	
		Bhadrack	ditto	0.10	0.82	ditto	
		Jellasore	ditto	Nil	4.90	ditto	
		Sorah	ditto	0.30	3.18	ditto	
		Chandbally	0.40	Nil	1.72	ditto	
	Cuttack Tributary Mehals.	Sumbalporo	Nil	Not recd.	0.75	30th Mar.	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh.. { Jail	Nil	Nil	1.06	6th April	
		... { Dispensary	ditto	ditto	1.31	ditto	
		Pachamba	ditto	ditto	0.81	ditto	
	Lohardugga	Ranchee	ditto	ditto	3.04	ditto	
		Palamow	ditto	ditto	0.97	ditto	
	Singbhoon	Chyebansa	ditto	Nil	3.37	ditto	
	Mahnhoon	Peruba	ditto	ditto	4.77	ditto	
		Gowindpore	ditto	ditto	1.59	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	1.50	10.53	15.58	ditto	
	Sibsagar	Sibsagar	1.16	Not recd.	5.11	30th Mar.	
		Golaghat	1.94	ditto	7.97	ditto	
		Jorhat	1.10	ditto	4.60	ditto	
		Akyab	Nil	Nil	0.00	6th April	
	Rajpootana	Alwar	ditto	ditto	1.20	ditto	
		Jaipur	ditto	ditto	1.29	ditto	
		Sambhar	ditto	ditto	6.10	ditto	

CALCUTTA,  
The 13th April 1878.

ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.



## Meteorological Telegraphic Report for the period 7th to 13th April 1878.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea- level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
ALIPORE.	April 7th	10	29.885	29.908	90.1	78.0	68	S W	7.5	.....	.....	b
		16	29.758	29.779	91.2	78.0	47	S by W	7.8	.....	KC	c
	8th	10	29.845	29.866	87.3	70.8	41	W by N	8.6	.....	C	c
		18	29.712	29.733	95.0	74.0	34	S by W	9.8	.....	CS, K	c
	9th	10	29.840	2.881	89.4	69.6	31	W S W	8.6	0.75	CK	c
		16	29.721	29.742	89.0	74.0	41	S W	17.2	.....	CS	c
	10th	10	29.778	29.799	86.8	78.5	67	S W	13.6	.....	.....	b
		16	29.642	29.663	92.0	80.8	60	S S W	11.7	.....	.....	b
	11th	10	29.744	29.765	89.0	80.1	68	S S W	8.5	.....	FK	c
		16	29.044	29.065	90.0	80.3	61	S W	10.2	.....	K, FK	c
	12th	10	29.799	29.820	88.5	79.7	67	S	8.8	.....	K, SK	c
		16	29.681	29.702	88.9	79.0	66	S by W	12.2	.....	K, FK	c
	13th	10	29.924	29.950	77.7	74.0	83	S by N	6.5	0.91	PC	c, g
		16	29.896	29.918	82.7	77.2	77	N E by N	6.0	.....	P	c, g
	April 7th	10	29.808	29.831	87	81	76	S S W	13.3	.....	C, FK	b, m
SAGOR ISLAND.		16	29.785	29.791	89	82	76	S	14.8	.....	K, FK	b, m
	8th	10	29.818	29.854	90	79	60	W S W	20.6	.....	P	l. t. hot wind
		16	29.739	29.745	87	80	72	S	10.9	.....	C	b
	9th	10	29.871	29.877	87	79	69	S W	10.3	0.10	K	b v. y.
		16	29.739	29.745	87	78	65	S W	25.5	.....	K	b
	10th	10	29.790	29.796	87	81	76	S W	21.4	.....	FK	b
		16	29.650	29.666	88	82	76	S S W	20.2	.....	.....	b, m
	11th	10	29.764	29.770	88	82	76	S	15.6	.....	FK	b, m
		16	29.650	29.656	88	82	76	S S W	16.9	.....	PC, FK	b, m
	12th	10	29.800	29.806	87	81	76	S	16.3	.....	FK	b, m
		16	29.709	29.715	87	81	70	S	18.2	.....	P, FK	b, m
	13th	10	29.936	29.942	82	78	83	E	3.3	.....	P	m, o
		16	29.894	29.899	81	79	79	N N W	10.1	.....	P	m, o, u
	April 7th	10	29.883	29.877	89	80	66	Calm.	6.4	.....	K	m
	8th	10	29.856	29.917	89	80	66	E S E	6.6	0.30	PK	m
	9th	10	29.820	29.912	87	76	68	N N E	8.8	0.10	C	m
CHITTAGONG.		16	Not received.		86	78	68	S	10.2	1.10	PK, FR	m
	11th	10	29.762	29.854	86	78	68	S	10.2	1.10	PK, FR	m
	12th	10	29.776	29.866	89	75	52	Calm.	11.5	0.60	C	m
	13th	10	29.897	29.980	82	79	87	Calm.	5.4	0.10	C	m
AKYAB.	April 7th	10	29.978	29.999	89	78	69	E	3.4	.....	K	.
	8th	10	29.941	29.962	87	75	65	E	4.1	.....	C	.
	9th	10	29.996	3.087	85	75	61	E N E	4.4	.....	K, P	.
	10th	10	29.920	29.941	89	79	63	S	2.8	.....	K	.
	11th	10	29.891	29.912	88	79	66	E	3.8	.....	K	.
	12th	10	29.891	29.912	88	79	66	E	4.0	0.20	.....	b
	13th	10	Not received.		86	81	83	W N W	4.2	.....	.....	b
DIAMOND ISLAND.	April 7th	10	29.955	29.998	85	81	83	N	4.9	.....	.....	b
	8th	10	29.880	29.900	85	81	83	N	4.9	.....	.....	b
	9th	10	29.965	3.000	80	81	83	N N W	7.0	.....	.....	b
	10th	10	29.995	29.946	86	82	84	S S W	6.9	.....	.....	b
	11th	10	29.127	29.908	86	81	83	N N W	5.5	.....	.....	b
	12th	10	29.894	29.925	86	80	76	N S E	7.7	.....	.....	b
	13th	10	29.951	29.995	86	81	83	N W	7.9	.....	.....	b
CUTTACK.	April 7th	10	29.837	29.918	91	77	61	S S W	2.6	.....	.....	b
	8th	10	29.812	29.894	87	77	62	S E	3.6	.....	C, CK	b
	9th	10	29.843	29.926	82	74	67	S	6.4	0.20	CK, C	b
	10th	10	29.739	29.810	90	78	60	S W	10.5	0.10	.....	b
	11th	10	29.678	29.758	92	79	64	S	5.8	.....	.....	b
	12th	10	29.608	29.718	92	79	64	S S W	9.2	.....	C, CK	b
	13th	10	29.869	29.950	91	78	61	S E	7.6	.....	K, CK, C	b
FALSE POINT.	April 7th	10	29.906	29.921	90	79	60	W	7.0	.....	C	b
	8th	10	29.892	29.907	86	79	72	S	7.5	.....	C, CK	c
	9th	10	29.885	29.900	78	71	70	S E	10.0	0.10	C, PC	c
	10th	10	29.799	29.814	90	79	68	W S W	16.0	.....	.....	c
	11th	10	29.747	29.762	92	82	61	S W	11.8	.....	C, CK	b
	12th	10	29.812	29.837	86	80	76	S S E	11.1	.....	K, PK, C	b
	13th	10	29.956	2.971	90	81	66	S E	7.1	.....	C, CK	c
VIZAGAPATAM.	April 7th	10	29.914	29.945	89	76	63	W by S	2.9	.....	.....	b
	8th	10	29.894	29.925	86	77	65	S	2.5	.....	.....	b
	9th	10	29.909	29.940	87	76	68	S	3.3	.....	.....	b
	10th	10	29.866	29.897	88	76	68	S by W	4.0	.....	.....	b
	11th	10	29.794	29.825	89	76	63	S	6.4	.....	.....	b
	12th	10	29.806	29.837	88	78	62	S by W	6.0	.....	.....	b
	13th	10	29.919	29.950	88	78	62	S W by W	4.7	.....	.....	b
MADRAS.	April 6th	10	29.997	29.019	91	79	67	S E by E	12	.....	.....	b
		16	29.861	29.883	84	78	62	E S E	11	.....	.....	c
	7th	10	29.982	29.004	89	76	63	S E by E	11	.....	.....	c
		16	29.810	29.862	89	77	60	S E by E	10	.....	.....	b
	8th	10	29.928	29.960	89	77	60	S E by E	9	.....	.....	b, c
		16	29.807	29.829	89	78	60	E S E	10	.....	.....	b
	9th	10	29.931	29.953	88	78	62	S E by E	5	.....	.....	c
		16	29.804	29.826	89	79	63	S E by E	14	.....	.....	b, c
	10th	10	29.911	29.933	89	77	66	S E by E	15	.....	.....	b, c
		16	29.775	29.797	90	74	44	S E by E	16	.....	.....	b
	11th	10	29.856	29.878	92	76	45	S by E	15	.....	.....	b, c
		16	29.703	29.725	89	80	66	S E by E	10	.....	.....	b
	12th	10	29.817	29.869	92	80	67	S E	17	.....	.....	c
		16	29.227	29.740	88	79	66	S E by E	17	.....	.....	b
COLOMBO.	April 7th	10	29.902	29.942	87	80	72	N	2.0	.....	C	.
	8th	10	29.847	29.887	88	81	73	S W	2.5	0.20	C	.
	9th	10	29.870	29.910	88	80	69	N	1.4	.....	C	.
	10th	10	29.897	29.937	88	81	73	N by W	2.8	.....	C	.
	11th	10	29.840	29.880	87	80	72	S W	1.3	.....	C	.
	12th	10	29.830	29.870	86	78	68	S W by S	2.8	.....	C	.
	13th	10	29.867	29.927	90	81	66	E S E	4.3	.....	C	.

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 13th April 1878.ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Government of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 7th to 13th April 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		⊖	Inches.	⊖	⊖	⊖	⊖	⊖	Inches	⊖	%.			Inches	
April	7th	155.2	29.836	84.3	98.4	20.2	78.2	77.6	0.857	74.6	73	Till 2 P.M. N by W through W and N W, till midnight S through N W and W.	172	Nil	Morning clear, day and night cloudy, w, o and lr.
"	8th	150.9	824	81.0	96.5	20.5	76.0	71.1	829	65.5	50	Till 11½ A.M. N W by W through S W and W, till 8 P.M. S through W and S W, till midnight S back again round W, N and E.	266	"	Cloudy, o, g, t, l, p and ↗
"	9th	150.8	764	80.3	90.8	22.5	68.3	70.7	625	63.3	60	Chiefly S W	308	0.75	Day chiefly cloudy, night clear, o, g, d and ↗
"	10th	151.7	711	82.5	92.6	16.8	76.8	77.7	884	75.5	79	S W by S and S	238	Nil	Clear.
"	11th	150.9	690	83.7	92.0	13.0	79.0	79.2	929	77.3	81	Chiefly S	250	"	(Chiefly clear, and w.
"	12th	151.9	777	84.3	91.7	11.8	79.0	76.6	902	76.1	76	Till 9 P.M. S, till 10½ P.M. N N E through S E and E, till midnight E through N E.	235	"	Morning clear, day and night cloudy, o and p.
"	13th	147.7	820	75.5	86.8	16.7	70.1	74.1	824	73.4	93	Till 9 A.M. S through S E, till 5 P.M. N by E through S E and E, till 10 P.M. S through N E and E, till midnight S W by W through S W.	129	0.89	Cloudy, o, g, t and p.

\* Fell at 9½ P.M. of the 8th.  
† 0.91 fell at 9½ P.M. of the 13th.

The mean pressure of the seven days	...	...	Inches.	29.789
The average pressure of the corresponding period for 25 years, S. G. Office	...	...	Inches.	29.758

The mean temperature of the seven days	...	...	⊖	81.7
The average temperature of the corresponding period for 25 years, S. G. Office	...	...	⊖	84.4
The extreme variation of temperature during the seven days	...	...	⊖	30.1
The maximum temperature during the seven days	...	...	⊖	98.4

The mean relative humidity during the seven days	...	...	%.	74
The average relative humidity of the corresponding period for 25 years, S. G. Office	...	...	%.	69

The total fall of rain from 7th to 13th April 1878	...	...	Inches.	1.74
The average fall of the corresponding period for 25 years, S. G. Office	...	...	Inches.	0.33
The total fall from 1st January to 13th April 1878	...	...	Inches.	3.09
The average fall of the corresponding period for 25 years, S. G. Office	...	...	Inches.	3.57

The mean pressure, temperature, &c., are deduced from observations made at 6h, 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

w dew, o overcast, lr lightning reflection, g gloomy, t thunder, l lightning, p passing temporary showers, ↗ strong wind.

METEOROLOGICAL OFFICE, INDIA,  
The 15th April 1878.

JOHN ELIOT,  
Offg. Meteorological Reporter to the Government of India.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 6th April 1878 on 1,270½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.					Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		Rs. A. P.				
Total traffic for the week ...	148,819½	2,45,553 11 0	22,500 1 10	13,12,491 20	4,97,885 8 9	45,591 10 10		7,42,919 3 9		40,077½	97,210½	149,288½
Or per mile of railway ...		191 14 0	17 11 9		385 10 4	35 12 6		580 8 4				
For previous 13 weeks of half-year	1,848,131	26,83,192 1 9	245,959 5 6	1,88,60,277 10	70,06,140 14 8	642,200 15 0		96,30,973 0 5		596,049	1,389,631½	1,985,100½
Total for 14 weeks	1,996,950½	29,23,745 12 9	268,468 7 4	2,01,72,768 30	75,03,846 7 5	687,853 11 10		1,04,32,592 4 2		642,640½	1,486,741½	2,129,388½
COMPARISON.												
Total for corresponding week of previous year ...	131,345	2,09,004 10 5	19,149 10 2	12,08,367 10	5,33,867 8 6	48,937 17 2		7,42,776 2 11		46,304	101,459	147,763
Per mile of railway, corresponding week of previous year ...		163 3 10	14 19 3		417 2 9	38 4 10		580 6 6				
Total to corresponding date of previous year ...	2,025,998½	32,27,391 6 8	295,844 4 3	1,82,02,298 0	76,32,277 9 5	699,625 8 11		1,08,59,689 0 1		674,786	1,404,944	2,079,730

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 6th April 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	6,086	18,234 14 6	1,671 10 8	1,90,080 0	55,076 2 3	5,131 2 11	74,211 6 9	4,640	11,109		15,830
Or per mile of railway ...		81 8 0	7 9 5		240 3 9	22 18 8	331 10 9				
For previous 13 weeks of half-year	100,349½	2,90,513 5 0	26,639 7 9	18,23,165 10	5,25,691 10 0	48,180 3 0	8,16,114 15 0	65,700	115,405		181,204
Total for 14 weeks	106,435½	3,08,748 3 6	28,301 14 5	20,13,215 10	5,81,577 12 3	53,311 5 11	8,90,325 15 9	70,439	126,804		197,043
COMPARISON.											
Total for corresponding week of previous year ...	6,479½	10,308 1 9	1,815 14 10	2,57,499 30	69,648 7 0	6,109 8 9	86,456 8 9	4,635	17,316		21,951
Per mile of railway, corresponding week of previous year ...		88 8 5	8 2 4		297 13 11	27 6 1	394 6 4				
Total to corresponding date of previous year ...	111,539½	4,22,975 8 3	38,772 15 1	34,00,374 10	8,01,080 1 0	78,932 0 9	12,84,035 0 3	73,232	220,457		293,689

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 6th April 1878 on 158½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	51,157	52,851 14 5	4,844 15 2	1,03,095 23	32,099 0 9	2,097 6 5	7,842 1 7
Or per mile of railway ... ..	223	333 15 8	30 12 3	1,030 23	204 9 11	14 18 10	49 11 1
For previous 13 weeks of half-year ... ..	544,573½	4,35,916 4 2	39,958 19 8	25,47,726 22	6,26,614 9 0	57,442 8 4	97,401 8 0
Total for 14 weeks ... ..	595,730½	4,86,768 2 7	44,803 14 10	27,10,822 10	6,59,342 9 9	60,439 14 9	105,243 9 7
COMPARISON.							
Total for corresponding week of previous year ... ..	32,992½	20,590 12 8	1,587 9 9	1,84,498 8	32,563 7 11	2,084 19 9	4,872 9 6
Per mile of railway, corresponding week of previous year ... ..	208	130 1 10	11 14 7	1,191 6	205 12 5	18 17 3	30 15 19
Total to corresponding date of previous year ... ..	527,601	3,79,899 7 1	34,815 17 3	27,25,284 8	5,15,885 11 11	47,289 10 7	82,103 7 10

## NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 30th March 1878 on 172 miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ...	8,355	6,130 0 0	613 18 0	38,903 0	12,624 0 0	1,262 8 0	1,876 6 0
Or per mile of railway ...	49	36 0 0	3 12 0	226 0	73 0 0	7 6 0	10 18 0
For previous 12 weeks of half-year	62,897	44,059 0 0	4,405 12 0	1,97,667 6	48,711 0 0	4,871 2 0	8,276 14 0
Total for 13 weeks	71,252	50,189 0 0	5,018 10 0	2,36,510 0	61,335 0 0	6,133 10 0	11,153 0 0
COMPARISON.							
Total for corresponding week of previous year ...	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year ...	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year ...	.....	.....	.....	.....	.....	.....	.....



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 24, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 13th April 1878.*

#### Present:

The Hon'ble G. C. PAUL, *Advocate-General, presiding.*  
 The Hon'ble C. T. BUCKLAND,  
 The Hon'ble H. J. REYNOLDS,  
 The Hon'ble J. O'KINEALY,  
 The Hon'ble BABOO KRISTODAS PAL, RAI BAHADOOR,  
 The Hon'ble BABOO MOHINI MOHUN ROY,  
 The Hon'ble AMEER ALI,  
 and  
 The Hon'ble A. B. INGLIS.

#### NEW MEMBER.

The Hon'ble Mr. INGLIS took his seat in Council.

#### CONSOLIDATION OF THE EXCISE LAWS.

The HON'BLE MR. REYNOLDS moved that the Bill to consolidate and amend the law relating to the Excise Revenue in the Presidency of Fort William in Bengal be further considered in order to the settlement of its clauses.

The motion was agreed to.

On the motion of the HON'BLE MR. REYNOLDS a verbal alteration was made in section 4.

The HON'BLE BABOO KRISTODAS PAL moved the omission of the words "fresh or" after the word "tari" in line 3 of the definition of "fermented liquor" in the same section. The object of the Bill, he said, was to control and, if possible, prevent the use of intoxicating drinks and drugs. The acquisition of revenue was a secondary object; but the primary object was to prevent the consumption of intoxicating drinks and drugs. He believed the Council would agree with him that fresh tari could not be called a fermented liquor, and so the inclusion of the word "fresh" in this clause, in his humble judgment, was not consistent. He was aware that the word was used in the old law, but when it was being subjected to revision, if anything appeared in it which was incongruous or inconsistent, it ought to be corrected. He could not believe that any member of this Council would hold that fresh tari or palm-juice was intoxicating; if anything, it was the reverse; it was, indeed, a cooling, wholesome, medicinal beverage, and he could not conceive that the Government would wish to tax the consumption of such an unobjectionable drink. He was not aware until this moment that this drink was subject to an excise duty. But whether it was subject to duty or not, looking to the main object of the Bill, he considered that it was inconsistent to include fresh tari in the category of fermented liquor.

The HON'BLE MR. REYNOLDS said he hoped the hon'ble member would not press the amendment, as he was unable to accept it. The object of the Bill was to consolidate the existing law; whereas the amendment before the Council, if carried, would effect a serious and important alteration of the law, and he thought that, before proposing it, the hon'ble member should be prepared with a more practical objection than the apparent incongruity of the existing provision. The Bill was substantially a re-production of Act XXI of 1856, and he had never heard a single complaint that the inclusion of fresh tari in the law had worked any hardship to the people. There was no intention to interfere vexatiously with the production and use of fresh tari, and if the hon'ble member referred to section 14, he would see that provision was made for dispensing with the operation of this clause where the consumption of tari in a fermented state was inconsiderable. But where the consumption was considerable, it was a very important matter that the Government should have certain powers of supervision and regulation over the production of the fresh tari, which became fermented by the lapse of a few hours of the day. He therefore hoped the Council would not agree to this amendment.

The HON'BLE BABOO KRISTODAS PAL said he was entirely in the hands of the Council, and was prepared to withdraw the amendment if the sense of the Council was against it. If it was considered objectionable to introduce any new matter in the Bill, because it was a consolidation measure, he thought it would be admitted that a provision of this kind had already been introduced by the clause which subjected wholesale vendors of intoxicating liquors in Calcutta to a license. Now, if the real objection to the amendment which he had proposed was that no substantial alteration of the law should be made in this Bill, then he did not think it quite consistent to introduce the provision to which he had just referred. But he believed it was open to the Council to consider the provisions of the old law with reference to the altered circumstances of the country, or in the light of any new considerations which experience might suggest. He had brought forward this amendment because he thought it was not consistent to define fresh tari as fermented liquor, because the two terms were not synonymous, and because to call "fresh" palm-juice "fermented" would be to ignore physical fact.

The HON'BLE THE ADVOCATE-GENERAL observed that it had been sufficiently explained to this Council that this was a Bill to consolidate and amend the laws relating to the manufacture, sale, and possession of exciseable articles, and to the collection of the revenue derived therefrom. Under the old law tari, although not fermented, was an exciseable article, and so section 4 of this Bill, which contained definitions, enacts that for the purposes of the Act, tari should be held to be a fermented liquor. The Council could not alter the nature of the article itself; it might very properly enact that a liquor

which by exposure to the sun for a few hours becomes an intoxicating drink should be placed in the category of fermented liquors. Therefore it struck him that although the objection which had been raised by the hon'ble mover of the amendment was ingenious, he thought that that objection, standing by itself, was an objection which ought not to be allowed. He thought also that an objection of this nature ought to have been laid before the Select Committee, in order to allow the members of the Government to consider it carefully. [The HON'BLE BABOO KRISTODAS PAL observed that he was not a member of the Select Committee]. The Council could not go into the matter without a further postponement, and as the amendment was of some importance and would affect the revenue, he thought it would be as well if the amendment were withdrawn and not put to the vote.

The motion was then by leave withdrawn.

The HON'BLE MR. REYNOLDS moved the addition to section 15 of the following words:—

“The Board may by rule define what shall be held to be an assortment for the purposes of this section.

“The Board may also determine what shall be a retail sale of any article from time to time declared by the Local Government to be included in the definition of intoxicating drugs under this Act.”

The last clause of the section as it stood declared that the sale of an assortment of spirituous or fermented liquors in the quantity specified above, or in less quantity, by a licensed wholesale vendor, was prohibited. The special object of that clause was for the protection of retail vendors in order that those who had wholesale licenses might not have the power of selling in such a way as to interfere with the trade of retail vendors. The Select Committee considered the question whether they should define what should be considered an assortment of liquors, and found it difficult to come to any definite conclusion upon the point; and therefore they thought it expedient that the matter should be left to be defined by rules to be framed by the Board of Revenue.

The second clause of the amendment was to provide an accidental omission in the Bill. The Bill gave power to the Board to declare what should be a retail sale of any article declared by the Government to be fermented liquor; but as it did not give the same power as to intoxicating drugs, it seemed necessary to make provision for that also.

The motion was agreed to.

On the motion of the HON'BLE MR. REYNOLDS the second clause of section 17 was omitted, provision for the same object being made by an amendment to be moved in section 61.

In sections 18 and 27 amendments were made, on the motion of the HON'BLE MR. REYNOLDS, to supply an accidental omission; and at the end of the latter section he moved that the words “as if the said license and engagement had been formally renewed” be inserted. MR. REYNOLDS was not quite sure that these words were necessary. It had been suggested to him that, under the clause as it stood, licensees might possibly claim to hold during the period referred to without payment of any fees. It might be argued that the license remaining in force for such time as the Collector might think fit, no additional fee would be due; perhaps therefore it was well that the above-mentioned words should be added.

The motion was agreed to.

The HON'BLE BABOO KRISTODAS PAL moved that in section 29, line 7, for the words “breach of the peace or any other criminal offence” the words “non-bailable criminal offence” be substituted. He said that, as the section was worded, any breach of the peace would render a person holding a license liable to forfeiture of his license. It was not here provided that if any breach of the peace occurred between the license-holder and any other person on the premises of the licensee's shop, it would render the license liable to be cancelled; he understood that the conditions under which licenses were granted provided for such cases. But under this section a license-holder might be convicted of a breach of the peace anywhere, and he would be liable to forfeiture of his license. It could hardly be intended that for an offence of that sort a licensee should be subjected to the loss of a civil right. He thought that the object in view would be met if the punishment of

forfeiture of license were confined to cases in which a licensee was convicted of a non-bailable criminal offence.

The motion was agreed to.

On the motion of the HON'BLE MR. REYNOLDS, amendments of an unimportant nature were made in sections 31, 39, and 61.

Section 65 provided a fine of Rs. 500 upon every proprietor, farmer, tehsildar, gomashita, or other manager of land who authorizes or connives at the manufacture or sale of any exciseable articles by any unlicensed person.

The HON'BLE BABOO KRISTODAS PAL moved to insert the words "upon lands held by him from such proprietor, farmer, tehsildar, gomashita, or manager" after the words "unlicensed person." The object of section 65 was to define the responsibility of landholders in respect to the manufacture of any exciseable article. As the section was worded, it might be construed to include a proprietor whose land might not be leased out for the illicit manufacture of exciseable articles, and who might not have the opportunity of knowing of, or conniving at, the offence. The proprietor might be the landholder of a whole pergunnah; he might have let out his estate in farm to different individuals, one of which individuals (A) might allow a person to manufacture in an illicit manner any exciseable article under this Bill. Well, the actual proprietor not knowing anything, and not being in a position to know, and not having the power to interfere with the lessee of the land, BABOO KRISTODAS PAL did not think it would be just to include him in section 65, as the section in its present form would do. If it should be argued that, irrespective of the law, the immediate owner of the land upon which illicit manufacture was going on, should give notice, he admitted that it was clearly the duty of all classes to do so, and he did not see why a particular class should be singled out and made subject to a heavy liability. He could understand that a man who himself allowed his land to be used for an illicit purpose should be held responsible; but section 65 as worded was not confined to the immediate holder of the land.

The HON'BLE MR. BUCKLAND said he thought the amendment proposed was not absolutely necessary, and he was also afraid that this provision of the law had always been a dead letter. He had not heard of a case in which it was possible to find evidence of authority given by a proprietor of land for the illicit manufacture of exciseable articles, and as to connivance, it was very difficult to define what it meant. If the hon'ble member wished to press the amendment, he had no objection to offer.

The HON'BLE MR. REYNOLDS observed that he had no strong objection to the amendment, but he should prefer to retain the present wording of the section.

The HON'BLE THE ADVOCATE-GENERAL said, suppose a man let his land on the condition that this use should not be made of his land, and that if it was so used, he might re-enter into possession. Suppose that the land was so used and that he did not re-enter. Such conduct may be evidence of connivance. A Magistrate who convicted under this section must find that the proprietor or manager authorized or connived; a man who wilfully kept his eyes shut might be said to connive.

The motion was then put and negatived.

On the motion of the HON'BLE MR. REYNOLDS the words "or of Bengal Acts II and IV of 1866" (the Calcutta and Suburban Police Acts) were added to the saving clause at the end of the Bill.

The Bill was then passed.

The Council was adjourned *sine die*.

LIBERALITY OF MAHANT NARAYAN DASS

No. 1576, dated Calcutta, the 16th April 1878.

From—H. H. RISLEY, Esq., Under-Secretary to the Govt. of Bengal.

To—the Commissioner of the Orissa Division.

I AM directed to acknowledge the receipt of your letter No. 226P.T., dated 28th March 1878, reporting that Mahant Narayan Dass, a wealthy gentleman in Pooree, has built a good bungalow at a cost of Rs. 1,000, in order to provide lodgings for lads coming from a distance to attend the Zillah School, and has made it over for the use of the school subject to the control of the local Committee.

2. In reply, I am to request that you will convey to the Mahant the thanks of the Government of Bengal for his liberality and exertions in the cause of education. The correspondence will be published in the *Calcutta Gazette*.

No. 226P.L., dated Cuttack, the 28th March 1878.

From—T. E. RAVENSHAW, Esq., Commissioner of the Orissa Division,

To—The Secretary to the Government of Bengal, General Department.

I HAVE the honor to report an act of liberality on the part of Mahant Narayan Dass, a wealthy gentleman in Pooree, who takes much interest in education. He has, in order to provide lodgings for lads living at a distance, but desiring to attend the zillah school, built a very good bungalow at a cost of Rs. 1,000, and made it over for use of the school, and subject to control of the local committee.



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 20th April 1878.

No	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
HURDWAR DIV.	1 Burdwan, Apl. 20 '78	1.09	The rain has proved beneficial in various ways. Cholera and small-pox are abating.
	2 Bankoora .. 20 ..	0.74	Weather—wonderfully cool since the rain of last week; hotter for the last two days. The rain has flooded the low lying lands and damaged the crops on the east of the district; elsewhere it has done good and ploughing is going on. Several deaths from cholera in a village about half way to Raneegee, and scattered cases of small-pox and measles.
	3 Beerbhoom, .. 21 ..	0.04	Weather—cool and pleasant. The late rain has put the ground in capital order for the <i>amun</i> .
	4 Midnapore, .. 20 ..	0.60	Weather—getting much warmer. No crops on the ground at present. The price of rice is already very high. Cholera has appeared in parts of the district.
	5 Hooghly, .. 20 ..	0.64	Weather—warm. On the 16th there was rain with severe hail a little after 5 P.M. <i>Patul</i> , <i>mous</i> , cucumber, &c., also sugarcane, are doing well. The lands are being ploughed, and in some places the sowing of <i>aus</i> has commenced. Prospects are favorable.
PRESIDENCY DIV.	Howrah, .. 22* ..	1.35	Weather—seasonable. There was a short, but severe storm on the 15th. The rain has done much good, and cultivation is progressing.
	<i>Central Districts</i>		
	6 24-Pergunnas, Apl. 22* '78	0.73	Weather—hot and windy. The rain has done good. Ploughing continues. General health is good. Sporadic cases of cholera are reported from some places.
	7 Nuddea, .. 20 ..	0.44	Weather—cool and moist. The rain has been very favorable for the preparation of the crops for the coming season.
	8 Jessore, .. 20 ..	0.48	Weather—cooler. The rain has improved the prospects of the crops. More is wanted. The outturn of <i>boro</i> paddy is not expected to be good in Bagirhat sub-division. Paddy and indigo are being sown in Magoora and Jhenida sub-divisions.
HAUSHANG AND LOUGH DEHAR DIV.	Jhenida .. 3.36		
	Magoora .. 3.02		
	Khoolna .. 2.00		
	9 Moorshedabad, .. 20 ..	Nil	Weather—seasonable. The rain which fell during the last week has enabled the ryots to plough their lands to some extent, but the lands are yet hard. Cholera is reported from seven of the thanas of this district.
	10 Dinagepore, .. 19 ..	0.3	Weather—fair. There has been much rain to the north of the district. It has been very favorable for the rice lands.
	11 Rajshahye, .. 21 ..	Nil	There have been very slight rain and a heavy hailstorm in some parts of the district during the week; otherwise the days are hot and the nights are cool. Much damage has been done to <i>til</i> by hailstones in the jurisdiction of Pachapore station. For want of rain the sowing of the dhan crop has been stopped. Rain is much required for the purpose. Dhan and jute which have been sown, are suffering much for want of rain. <i>Boro</i> paddy is satisfactory. Cases of cholera are still reported from Beaulah, Bagmara, Poothea and Charchat.
	12 Rungpore, .. 19 ..	0.29	The weather has become warmer, but more seasonable and healthy. Except in the southern portion, slight rain has fallen all over the district; and at Kurigram, where there was a fall of nearly two inches, it has been very beneficial to the crops, the prospects of which continue to be favorable. There has been some fall in the price of rice this week. Cholera is now abating within the jail and district. Fevers are at their minimum.
	Kurigram .. 1.94		
	Bagdogra .. 0.75		
	13 Bogra, .. 20 ..	0.16	Weather—very warm, with south-west wind. There was a little rain on the night of the 14th. Rain is much wanted for the early rice and jute, the sowing of which still continues. The price of rice is rising steadily all over the district, owing to the quantity exported, which is very large, notwithstanding the drying up of the rivers, exportations being usually carried on by boats. Fever and cholera are still prevalent to a certain extent.
	14 Pubna, .. 20 ..	0.61	Weather—very cool. Occasional slight showers have fallen all over the district. The state and prospects of the crops remain unchanged. There is not much to report on them. Cases of cholera and small-pox have been reported.

\* Report of 22nd shows rainfall during the week ending 20th.

No.	District, and date of return	Rainfall at Sudder Station in inches	Character of the weather, state and prospects of the crops, and state of health, at date
<b>BENGAL.—(Continued.)</b>			
<b>Central Districts.—(Contd.)</b>			
RAJSHAHY & COCH BEHAR DIVN.—contd.	15 Dargeeling	.....	Return not received.
	16 Julpigoree, Apl. 20 '78	0.55	Weather—getting hot. No change to report in the state and prospects of the crops. Tobacco is almost gathered. Cholera is still reported here and there, but not in an epidemic form. Cattle disease is also reported.
	Cooch Behar, .. 18 ..	1.66	Weather—cool, with occasional falls of rain, and light winds prevailing. The prospects of <i>biteri</i> are at present good. Tobacco has suffered much from hail, &c. The price of rice has risen to Rs. 3-8 per maund for coarse rice. Tobacco, on the other hand, is selling at very low prices. <i>Cheena</i> and <i>kaon</i> are doing very well. Should the <i>biteri</i> crop prove a good one all will be well; otherwise the cultivators will suffer.
	Dinbatta ..	1.24	
	Mathabhangha ..	2.00	
	Meckligunge ..	1.62	
<b>Eastern Districts.</b>			
Dacca Divn.	17 Dacca, Apl. 20 '78	0.13	Weather—warm, but seasonable. The crops are good. The young paddy is growing well, and the winter crops have been nearly harvested. There are cholera and small-pox in places.
	Moonsheegunge ..	0.10	
	18 Farroedpore, .. 20 ..	Nil	Weather—very cool for the season. The prospects of the crops are so far favorable.
	19 Backergunge .. 18 ..	2.05	There has been some rain on two days in the week nearly all over the district. The rain has enabled ploughing to commence. Cholera is still prevalent, but not seriously, in most thannas, and small-pox about Perozepore.
	20 Mymensingh, .. 19 ..	0.58	There was slight general rain during the week. Ploughing is general.
CHITTAGONG DIVN.	21 Tipperah, .. 19 ..	2.25	Weather—fair. <i>Aus dhan</i> is being sown. <i>Boro dhan</i> is being reaped, the crop is a fair one.
	Sub-division ..	1.11	
	22 Chittagong, .. 18 ..	1.06	Weather—seasonable; hot in the day, but cool at night. The state and prospects of the crops are good. <i>Pusa aus</i> has been largely planted and is doing well. 20,000 maunds of rice have been imported, but the price ranges from 7 to 13 seers per rupee.
	23 Noakholly, .. 18 ..	0.61	Weather—hot, but the nights and mornings are cool. The cultivation of the early rice crop continues. Public health is good.
	24 Chittagong Hill Tracts, .. 16 ..	3.62	Heavy falls of rain, accompanied with hailstones, on the 10th and 11th. The burning of joomas is nearly over. The joomas have begun to sow their early seedlings in their joomas. The <i>aus</i> paddy plants are thriving well.
	Hill Tipperah, .. 17 ..	1.33	Rain on the 11th and 14th. <i>Boro</i> rice is doing well. Ploughing is going on for the next rice crop. Prices are stationary, but much higher than at the same period last year. Health is good.
<b>BEHAR</b>			
PATNA DIVN.	25 Patna, Apl. 20 '78	0.15	Weather—hot and dry. No change in the state and prospects of the crops since last report.
	26 Gaya, .. 20 ..	0.02	Weather—cool for the time of year. Maximum thermometer in the shade 102°.
	Aurangabad ..	0.63	
			A fair twelve-anna (or average) <i>rubbee</i> crop is reported from Nowada. The wheat was generally very good, and most prices were very fair, but grain was injured by us etc. No estimate of outturn has been received from Aurangabad but the recent rain is said to have done injury. The estimate from Jehanabad gives an average of eight or ten annas, but it is greatly feared that this is too high. The best estimate for the Sudder sub-division gives not more than six annas.
	27 Shahabad, .. 20 ..	0.50	Weather—clear and getting hot again. The rain which fell during the week has been of little or no use, except for the <i>cheena</i> . Prices continue high, causing distress.
	28 Durbhunga, .. 21 ..	0.05	Nothing important to report about the crops this week. There has been no particular change in their state and prospects since last report.
	29 Muzafferpore, .. 20 ..	0.78	Weather—cool during the greater part of the week, getting hot towards the close. The rain which fell in the early part of the week has done much good to <i>cheena</i> , indigo and <i>moony</i> . The mango crop continues healthy. The prices of food-grains are slightly rising.
	Sertampurhee ..	2.86	
	Hajeepore ..	0.31	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Contd.)			
PATNA.—(Continued.)	30 Sarun,           Apl. 20 '78	0 30	Weather—hot and cloudy during the first two days, with a few drops of rain on the 15th at head-quarters. East and west wind. There have been light showers in some parts of the district, which have done immense good to indigo, <i>cheena</i> , sugarcane and mango. The fields are being prepared for the <i>bhadoi</i> crops. Prices are stationary. Public health is good.
	Sewan	0 73	
	Gopalgunge	0 49	
BAGULPORE DIVISION.	31 Champaran,   .. 20 ..	0 51	Weather—much colder than the preceding week. The greater part of the <i>rubber</i> has been harvested; the outturn will be about ten annas. The late rain has been of much benefit to indigo and the spring crops. Prices continue high.
	32 Monghyr,       .. 20 ..	0 43	Weather—cool, with east winds. The crops are harvested.
	Begooesrai	0 48	
	33 Bhagulpore    .. 20 ..	1 06	Weather—unseasonably cool, with easterly winds and cloud. The <i>rubber</i> outturn is not quite the bumper crop that was expected, but is still above the average. Cholera is still bad in the north, and small-pox in the town.
	34 Purneah,       .. 20 ..	0 33	Rain has been general throughout the district. The latter part of the week has been fair and warm. Wind west and east. The <i>bhadoi</i> and <i>agham</i> cultivation is progressing under very favorable conditions. The young plants are coming up strong and healthy, owing to the seasonable rain. Cholera is remarkably severe in the north-west of the district.
	Kissengunge	1 83	
Arraichah	3 60		
35 Maldah,       .. 20 ..	0 97	Rain on the 13th and 14th. Weather cool since the rainfall. The state and prospects of the crops are fair. Prices are very high. Common rice is selling at from 11 to 12 seers the rupee. Cholera has almost disappeared.	
36 Sonthal Pergah. .. 21 ..	0 10	Weather—cool for the time of year. Nothing to report about crops.	
ORISSA.			
ORISSA DIVN.	37 Cuttack        Apl 20 '78	0 22	Weather—fine and hot. Strong winds. No change in the state of <i>dalia</i> crop and public health since last report. Prices continue high, and in some places in the mofussil food-grains are not easily procurable. The price of rice is double what it was last year at this time.
	38 Pooree,        .. 18 ..	0 04	Weather—warm for the season. <i>Dalia</i> rice is being harvested. There was a shower in some parts of the district and the ploughing has commenced in those parts. Want of rain is still greatly felt for cotton and sugarcane crops, and specially in parts of Parikood in the salt tracts. Common rice is selling at 10½ seers the rupee in the salt tracts and at 11½ to 15½ seers in other parts of the district. Exportation of rice is still going on.
	Khoorda	0 58	
39 Balasore,     .. 19 ..	2 69	Much good has been done by the recent rain. Ploughing for the rice crop is general throughout the district. Cholera has decreased. Cattle disease exists in the south-east.	
Bhudruck	0 79		
Chandbali	0 21		
CHOTA NAGPORE.			
South-West Frontier Agency.			
40	Hazareebagh,   Apl. 19 '78	1 04	The first part of the week was stormy and rainy; the latter part was settled and fine. <i>Mohwa</i> has been much damaged by wind and hail, otherwise prospects are unchanged. The prices of food-grains are steadily on the increase.
41	Lohardugga,    .. 20 ..	2 71	Weather—settled latterly; very cool, owing to the heavy falls of rain during the first three days of the week. <i>Mohwa</i> has been partially damaged by the successive storms. In Palamow sub-division it is reported that the <i>mohwa</i> has suffered severely from the rains. No other crops to report about. Small-pox is on the increase in Palamow, otherwise the district is generally healthy.
42	Singbhoom,     .. 19 ..	1 70	Weather—seasonable. Heavy rain fell in the beginning of the week, but none in the latter part. Ploughing is going on satisfactorily. Rice is selling generally at 24 seers. There is no sickness.
43	Manbhoom,     .. 20 ..	2 35	Weather—somewhat cool for the season of the year. There have not been the usual hot winds as yet. Little to report about the crops. The only crops now on the ground are <i>boro dhan</i> in places and young sugarcane. Ploughing being carried on. There is a little sickness here and there, but much distress is not heard of.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 23rd April 1878.D. M. BARBOUR,  
Offy. Secy. to the Govt. of Bengal.

**RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN THE  
UNDERMENTIONED DISTRICTS OF BENGAL FOR THE FORTNIGHT  
ENDING 15<sup>TH</sup> APRIL 1878.**

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																													
		WHEAT.						BARLEY.						RICE, BEST SORT.						RICE, COMMON.						BULRUSH MILLET— CUMBOO, RAJRA.					
		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.	
BENGAL.																															
Western Districts.																															
1	Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Beerbhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																															
	Calcutta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	24-Pergunnahs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Nudda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Moorshedabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Dinapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Rajshabye	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Rungpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Bogra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Pubna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Julpigoree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																															
17	Dacca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Furreadpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Backergunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Mymensingh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

A In the interior the prices range as follow :—Wheat 10 to 13 seers, barley 19 to 38½ seers, best rice 10½ to 13½ seers, common rice 11½ to 14½ seers, and gram 12 to 21 seers.  
B In the interior the prices range as follow :—Wheat 11½ to 16 seers, barley 18 to 36 seers, best rice 11 to 17 seers, common rice 12 to 18 seers, maize or Indian-corn 18 to 38 seers, and gram 12 to 15 seers.  
C In the interior the prices range as follow :—Wheat 11½ to 14½ seers, barley 21 to 23 seers, best rice 12 to 15 seers, common rice 13 to 18 seers, and gram 13 to 19 seers.  
D In the interior the prices range as follow :—Wheat 10 to 13 seers, barley 17 to 30 seers, best rice 7 to 10 seers, common rice 10 to 12 seers, and gram 12 to 13 seers.  
E In the interior the prices range as follow :—Wheat 11 seers, barley 18½ seers, best rice 7 seers, common rice 9½ to 12 seers, and gram 11½ to 11½ seers.  
F In the interior the prices range as follow :—Wheat 7 to 10 seers, best rice 9 to 12 seers, common rice 10 to 13 seers, and gram 9 to 12 seers.  
G In the interior the prices range as follow :—Wheat 12 to 18 seers, barley 26 to 36 seers, best rice 10 to 11 seers, common rice 12 to 14 seers, and gram 15 to 20 seers.

*undermentioned Districts of Bengal for the Fortnight ending 15th April 1878.*

## THE SEER OF 80 TOLAHS.

GREAT MILLETS— CHOLU, JOWAR.						LESSER MILLETS— RAGI OR MURWA AND CHHENA.						MAIZE OR INDIAN- CORN.						GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
BENGAL.																											
Western Districts.																											
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.				
...	...	...	...	...	...	...	...	...	...	...	...	12 12	12 8	25 0	120 0	120 0	160 0	9 0	9 0	9 12	9 12	...	Burdwan.				
...	...	...	...	...	...	...	30 0	30 0	38 0	12 0	12 0	18 0	440 0	440 0	480 0	8 8	8 8	8 8	8 12	8 12	...	Bankoora.					
...	...	...	...	...	...	...	...	...	...	12 0	13 0	27 0	200 0	200 0	240 0	8 8	8 8	8 8	8 8	8 8	...	Beerbhoom.					
...	...	...	...	...	...	...	...	...	...	12 0	12 0	20 0	160 0	180 0	200 0	8 8	8 8	8 8	9 0	9 0	...	Midnapore.					
...	...	...	...	...	...	...	...	...	...	12 0	13 0	20 0	120 0	120 0	120 0	9 0	9 0	9 0	9 0	9 0	...	Hooghly.					
...	...	...	...	...	...	...	...	...	...	14 0	14 0	19 0	100 0	80 0	120 0	9 8	9 8	10 0	10 0	...	Howrah.						
Central Districts.																											
...	...	...	...	...	...	...	...	...	...	12 8	13 4	20 0	64 0	90 0	100 0	8 0	8 0	8 0	8 0	...	Calcutta.						
...	...	...	...	...	...	...	...	...	...	12 0	12 0	16 12	80 0	80 0	90 0	8 12	8 12	8 12	8 12	...	21-Pergunnahs.						
...	...	...	...	...	...	...	...	...	...	14 8	14 8	29 11	120 0	120 0	110 0	8 14	8 14	9 21	9 21	...	Nuddea.						
...	...	...	...	...	...	...	...	...	...	12 0	14 0	21 0	110 0	110 0	120 0	8 0	8 0	8 0	8 0	...	Jessore.						
...	...	...	...	...	...	...	...	...	...	16 0	16 0	{ 35 0 to 40 0 }	120 0	120 0	{ 110 0 to 130 0 }	8 0	8 0	7 0	7 0	...	Moorshedabad.						
...	...	...	...	...	...	...	...	...	...	14 9	14 8	15 0	140 0	180 0	180 0	8 0	8 0	8 4	8 4	...	Dinapore.						
...	...	...	...	...	...	...	...	...	...	15 12	16 0	{ 15 0 to 33 12 }	160 0	200 0	320 0	9 4	9 4	9 0	9 0	...	Rajshahye.						
...	...	...	...	...	...	...	...	...	...	12 0	12 8	11 14	107 0	107 0	107 0	7 8	7 8	7 8	7 8	...	Rungpore.						
...	...	...	...	...	...	...	...	...	...	12 0	12 0	15 0	67 8	67 8	67 8	8 4	8 4	8 4	8 4	...	Bogra.						
...	...	...	...	...	...	...	...	...	...	15 0	{ 12 0 to 15 0 }	26 4	200 0	200 0	200 0	8 8	8 8	9 0	9 0	...	Pubna.						
...	...	...	16 0	9 0	9 0	11 0	12 0	20 0	6 0	8 0	9 0	160 0	160 0	200 0	4 0	4 0	5 0	5 0	...	Darjeeling.							
...	...	...	...	...	...	...	...	...	...	10 0	16 0	61 0	61 0	160 0	6 5	7 2	8 0	8 0	...	Julpigoree.							
Eastern Districts.																											
...	...	...	...	...	...	...	...	...	...	13 0	13 5	20 0	80 0	80 0	97 0	8 14	8 14	9 0	9 0	...	Dacca.						
...	...	...	...	...	...	...	...	...	...	16 0	16 0	16 0	...	...	...	9 0	9 0	9 0	9 0	...	Furreedpore.						
...	...	...	...	...	...	...	...	...	...	12 0	12 0	14 0	100 0	100 0	100 0	8 8	8 8	8 8	8 8	...	Backergunge.						
...	...	...	...	...	...	...	...	...	...	13 8	13 8	13 8	...	...	...	8 6	9 0	8 12	8 12	...	Mymensingh.						

H In Raygunge the prices are—Wheat 12½ seers, best rice 12 seers, common rice 13½ seers, and gram 15 seers.

I In Nattore the prices are—Wheat 15 seers, best rice 9 seers, common rice 13 seers, and gram 11½ seers.

J In the interior the prices range as follow:—Wheat 15 to 21 seers, best rice 15 to 16 seers, common rice 18 to 19 seers, and gram 8 to 15 seers.

K In Serajgunge the prices are—Wheat 10 seers, common rice 11 seers, and gram 11 seers.

L In the interior the prices range as follow:—Best rice 6 to 10 seers, common rice 10½ to 12 seers, and gram 8 to 9 seers.

M In the interior the prices range as follow:—Wheat 10 seers, best rice 8 to 10½ seers, common rice 9 to 16 seers, and gram 10 to 10½ seers.

N In the interior the prices range as follow:—Best rice 10 to 13 seers, common rice 12 to 14 seers, and gram 11½ to 16 seers.

O In the interior the prices range as follow:—Best rice 7 to 11½ seers, common rice 11 to 12½ seers, and gram 12 to 13 seers.

P In the interior the prices range as follow:—Best rice 11 to 12½ seers, common rice 12½ to 14 seers.

Q In the interior the prices range as follow:—Wheat 12 to 14 seers, best rice 7 to 14 seers, common rice 13 to 15½ seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—(Contd.)																			
21	Chittagong	7 0	7 0	12 0	...	...	...	8 0	8 0	8 0	10 0	11 0	12 0	...	...	...			
22	Noakholly	...	...	...	...	...	...	9 0	9 0	10 0	13 0	12 8	17 0	...	...	...			
23	Tippurah	10 8	10 8	12 0	...	...	...	12 0	12 0	11 0	13 5	13 8	20 0	...	...	...			
24	Chittagong Hill Tracts	...	...	...	...	...	...	8 0	8 0	10 0	8 11	8 11	10 10	...	...	...			
	Hill Tipperah	8 0	8 0	10 5	...	...	...	14 0	12 0	17 0	16 0	14 0	28 0	...	...	...			
BEHAR.																			
25	Patna	14 8	15 8	21 0	19 0	20 0	36 0	9 0	9 8	15 0	14 0	15 8	21 0	...	...	...			
26	Gya	13 8	14 8	26 0	18 8	18 8	32 0	7 8	8 0	13 0	10 0	12 8	22 8	...	...	...			
27	Shahabad	13 8	13 4	16 8	17 0	16 0	28 0	11 0	11 0	16 8	12 0	12 0	19 0	...	...	...			
28	Durbhunga	13 8	13 0	18 8	22 0	19 8	33 0	10 0	11 0	15 4	12 8	12 12	17 8	...	...	...			
29	Mozufferpore	13 0	13 0	18 0	19 0	20 0	32 0	7 0	8 0	11 0	11 0	12 0	16 0	...	...	...			
30	Sarun	13 0	12 0	18 0	18 8	19 0	32 8	17 8	7 4	10 8	11 0	11 0	18 8	...	...	...			
31	Chumpanun	14 0	14 0	16 0	22 0	24 0	44 0	9 0	9 0	9 0	12 0	12 8	18 0	...	...	...			
32	Monghyr	12 6	13 6	21 0	21 0	16 8	31 5	8 4	8 4	13 6	10 5	10 5	18 9	...	...	...			
33	Bhagulpore	11 15	13 4	18 15	20 3	20 3	37 12	10 1	10 1	18 15	11 5	11 5	21 7	...	...	...			
34	Purneah	15 0	14 0	26 0	...	...	12 0	12 0	23 0	13 0	13 0	27 0	...	...	...	...			
35	Maldah	13 0	14 0	21 0	25 0	30 0	55 0	10 0	12 0	23 0	12 0	13 0	26 0	16 0	15 0	32 0			
36	Sonthal Pergunnah	9 0	8 8	16 0	...	...	10 0	12 0	17 0	11 0	13 0	21 0	...	...	...	...			
ORISSA.																			
37	Cuttack	10 8	10 8	17 1	...	...	10 8	9 3	11 7	11 7	11 13	19 11	...	...	...	...			
38	Poorea	10 8	9 3	18 6	...	...	7 14	7 14	13 2	11 13	10 8	18 6	...	...	...	...			
39	Balasore	10 0	8 0	16 0	...	...	10 0	10 0	24 0	14 0	12 0	32 0	...	...	...	...			
CHOTA NAGPORE.																			
South-Western Frontier Agency.																			
40	Hazareebagh	11 8	11 8	23 0	18 0	...	9 0	9 0	12 0	12 0	14 0	24 0	...	...	...	...			
41	Lohardugga	8 0	10 0	26 0	18 0	20 0	40 0	12 0	12 0	24 0	14 0	14 0	28 0	...	...	...			
42	Singbhoom	11 0	14 0	26 0	36 0	36 0	10 0	14 0	14 0	20 0	22 0	22 0	40 0	...	...	...			
43	Manbhoom	8 8	10 0	20 0	24 0	32 0	37 8	13 0	13 0	18 0	17 0	17 0	32 0	...	...	...			

\* In the interior the price of common rice ranges from 15½ to 21 seers.

R In the interior the prices range as follow:—Best rice 6 to 9 seers, and common rice 8 to 10 seers.

S In the interior the prices range as follow:—Best rice 10 to 14 seers, and common rice 12½ to 16 seers.

T In the interior the prices range as follow:—Wheat 12½ to 14½ seers, barley 17½ to 18½ seers, common rice 10½ to 11 seers, and gram 13½ to 15, seers.

U In the interior the prices range as follow:—Wheat 12 to 13½ seers, barley 15 to 16 seers, best rice 7½ to 10 seers, common rice 9 to 12½ seers, maize or Indian-corn 14 to 16 seers, and gram 12 to 13 seers.

V In the interior the prices range as follow:—Wheat 16 to 20½ seers, barley 25 to 30 seers, best rice 12 to 15 seers, common rice 13½ to 16 seers lesser millets 20 to 25 seers, maize or Indian-corn 21 to 25 seers, and gram 16 to 25 seers.

W In the interior the prices range as follow:—Wheat 13 to 17 seers, barley 21 to 25 seers, best rice 7 to 10 seers, common rice 9½ to 13 seers lesser millets 22 to 25 seers, maize or Indian-corn 17 to 22½ seers, and gram 11 to 21½ seers.

CALCUTTA,

The 23rd April 1878.

mentioned Districts of Bengal for the Fortnight ending 15th April 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.						LESSER MILLETS— RAOI OR MURWA AND CHIKENA.						MAIZE OR INDIAN- CORN.						GRAM.						FINGERWOOD.						S. IT.						DISTRICTS.
Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.								
Eastern Districts—(Contd.)																																				
Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Chittagong.				
..	..	..	..	..	..	..	..	..	..	..	..	10 0	9 0	8 0	120 0	120 0	127 8	7 8	7 8	7 8	9 0	..	..	..	..	..	..	..	..	..	..	Noakhali.				
..	..	..	..	..	..	..	..	..	..	..	..	10 0	10 0	13 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Tippurah.				
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	320 0	320 0	260 0	6 6	6 6	7 0	..	..	..	..	..	..	..	..	..	..	Chittagong Hill Tracts.				
..	..	..	..	..	..	..	..	..	..	..	..	10 5	10 5	13 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Hill Tippurah.				
BEHAR																																				
..	..	..	..	..	..	..	..	18 0	19 0	37 0	15 12	17 8	32 0	150 0	150 0	110 0	8 0	8 0	8 0	8 0	..	..	..	..	..	..	..	..	..	..	..	Patna.				
..	..	..	..	..	..	..	..	..	..	..	..	13 8	16 0	26 0	160 0	160 0	180 0	8 0	8 0	8 0	8 0	..	..	..	..	..	..	..	..	..	..	Gya.				
15 0	16 0	25 0	{ 11 0 to 14 8 }			15 0	27 0	..	..	..	{ 13 8 to 11 0 }			30 0	180 0	160 0	160 0	8 12	9 0	9 0	9 0	..	..	..	..	..	..	..	..	..	Shahabad.					
..	..	..	20 1	20 12	31 12	18 8	18 8	27 8	14 1	14 4	14 0	181 0	186 0	176 0	8 0	8 12	8 12	8 12	8 12	..	..	..	..	..	..	..	..	..	..	..	..	Darbhanga.				
..	..	..	..	..	..	16 0	18 0	29 0	13 0	13 0	25 0	160 0	160 0	140 0	8 0	8 0	8 8	8 8	8 8	..	..	..	..	..	..	..	..	..	..	..	..	Muzaffarpore.				
16 0	16 0	35 0	17 0	18 0	30 0	16 4	16 1	33 0	13 8	13 0	28 0	180 0	160 0	160 0	8 0	8 0	8 0	8 1	8 1	..	..	..	..	..	..	..	..	..	..	..	..	Saran.				
..	..	..	..	..	..	38 0	20 0	20 0	32 0	16 0	17 0	22 0	..	..	..	7 8	7 8	7 8	7 8	..	..	..	..	..	..	..	..	..	..	..	..	Champaran.				
..	..	..	..	..	..	15 7	16 8	26 2	13 6	14 7	31 5	147 0	147 0	117 0	8 4	8 4	8 9	8 9	..	..	..	..	..	..	..	..	..	..	..	..	..	Monghyr.				
..	..	..	..	..	..	16 5	17 11	30 9	14 3	15 12	18 15	151 9	151 9	157 13	8 13	8 13	8 13	8 13	..	..	..	..	..	..	..	..	..	..	..	..	..	Bhagalpore.				
..	..	..	..	..	..	..	..	..	..	..	{ 13 0 to 14 0 }			23 0	160 0	160 0	160 0	7 8	7 8	8 0	8 0	..	..	..	..	..	..	..	..	..	..	Purneah.				
..	..	..	..	..	..	15 0	15 0	15 0	35 0	160 0	129 0	160 0	8 8	8 8	8 1	8 1	8 1	8 1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Mallah.			
..	..	..	..	..	..	..	..	..	..	..	11 0	12 0	24 0	200 0	200 0	200 0	8 0	8 0	8 0	8 0	..	..	..	..	..	..	..	..	..	..	..	..	Sonthal Parghs.			
ORISSA.																																				
..	..	..	21 0	21 0	22 5	..	..	..	15 12	15 12	19 11	200 0	200 0	200 0	11 0	11 0	13 0	13 0	..	..	..	..	..	..	..	..	..	..	..	..	..	Cuttack.				
..	..	..	..	..	..	..	..	..	11 13	14 7	18 6	105 0	105 0	105 0	10 8	10 8	13 2	13 2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Pooree.			
..	..	..	..	..	..	..	..	..	9 0	7 0	11 0	102 8	85 0	160 0	6 4	7 0	9 0	9 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Balasore.			
CHOTA NAGPORE South-Western Frontier Agency																																				
..	..	..	17 0	18 0	35 0	16 0	16 4	30 0	12 8	11 12	21 0	240 0	240 0	240 0	8 0	8 0	8 0	8 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Hazareebagh.			
..	..	..	24 0	28 0	40 0	..	..	..	14 0	16 0	26 0	160 0	160 0	180 0	7 0	7 0	7 0	7 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Lohardugga.			
..	..	..	..	..	..	..	..	..	14 0	14 0	21 0	320 0	320 0	320 0	6 8	6 8	6 8	6 8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Singbhoom.			
..	..	..	64 0	64 0	64 0	..	36 0	36 0	9 0	13 0	21 0	200 0	200 0	200 0	8 0	8 0	8 0	8 0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Manbhoom.			

X In Begu Sani the prices are—Wheat 13·0 seers, barley 21 seers, best rice 8½ seers, common rice 12 seers, great millet 16·8 seers, lesser millets 21 seers, maize or Indian-corn 16·8 seers, and gram 16·8 seers.

Y In the interior the prices range as follow :—Wheat 14 to 20 seers, barley (at Banka) 21 seers, best rice 12 to 15 seers, common rice 13 to 16 seers, murwa (at Muddahpore) 20 seers, maize or Indian-corn (at Banka) 19 seers, and gram (at Banka) 15 seers.

Z In the interior the prices range as follow :—Wheat 12 to 20 seers, best rice 11½ to 15 seers, common rice 13 to 16 seers, and gram 13 to 17 seers.

Z1 In the interior the prices range as follow :—Wheat (at Godda) 15 seers, barley 16 to 20 seers, best rice 12 to 14½ seers, common rice 12½ to 16 seers, maize or Indian-corn 16 to 19 seers, and gram 16 to 19 seers.

Z2 In the interior the prices range as follow :—Wheat 12 to 12½ seers, barley 20 to 22 seers, common rice 13 to 13 seers, lesser millets 16 to 18 seers, maize or Indian-corn 14 to 16 seers, and gram 12 to 13 seers.

Z3 At Dalatunghe the prices are—Wheat 15·25 seers, barley 14·50 seers, best rice 11·25 seers, common rice 12·37 seers, nowah 33·75 seers, and gram 12·75 seers.

Published for general information.

D. M. BARBOUR,

Offg. Secy. to the Govt. of Bengal.



WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

		PRICES PER MAUND																	
Number.	MARKS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO BAJRA.					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.			
1	Calcutta ...	3 13 0	3 6 6	...	2 8 0	2 4 0	...	7 0 0	7 0 0	...	4 0 0	3 13 0	...	...	...	...			
2	Seragunge	4 0 0	3 8 0	...	...	...	...	5 0 0	5 0 0	...	3 4 0	3 0 0	...	...	...	...			
3	Dacca ...	3 14 0	3 5 0	...	1 5 0	1 2 0	...	3 4 0	3 4 0	...	3 0 0	3 0 0	...	...	...	...			
4	Naraingunge...	...	...	...	...	...	...	3 3 0	3 4 0	...	3 0 0	3 0 0	...	...	...	...			
5	Chittagong ..	...	...	...	...	...	...	4 15 0	4 12 0	...	3 15 0	3 8 0	...	...	...	...			
6	Patna ...	3 12 0	2 10 0	...	2 1 9	2 0 0	...	4 7 0	4 3 6	...	2 11 0	2 10 0	...	...	...	...			
7	Balasore ...	3 12 0	4 0 0	...	...	...	...	3 2 0	3 2 0	...	2 8 0	3 0 0	...	...	...	...			
8	Pooree ...	...	...	...	...	...	...	...	...	...	3 0 0	3 4 0	...	...	...	...			
9	Cuttack ...	3 10 0	3 10 0	...	...	...	...	3 10 0	4 2 0	...	2 10 0	3 4 0	...	...	...	...			

CALCUTTA,  
The 23rd April 1878.

*in the undermentioned Marts of Bengal for the Fortnight ending 15th April 1878.*

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAU OR MURWA AND CHEENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
...	...	...	...	...	...	...	...	...	3 4 0	2 12 0	...	0 9 0	0 7 0	...	1 4 0	1 4 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 8 0	3 0 0	...	...	...	...	4 6 0	4 6 1	...	Serajgunge.
...	...	...	...	...	...	...	...	...	3 1 0	2 14 0	...	0 6 0	0 6 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 6 0	3 2 0	...	0 10 0	0 10 0	...	4 5 3	4 5 3	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	2 3 6	2 3 6	...	2 9 0	2 4 6	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 4 0	4 0 0	...	0 5 0	0 7 6	...	6 0 0	5 8 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	1 2 0	1 12 0	...	...	...	...	2 6 0	2 6 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

D. M. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS	STATIONS	Rain from 31st March to 6th April 1878.	Rain from 7th April to 13th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BUREDWAN.	WESTERN DISTRICTS.	Burdwan	0.07	2.21	3.02	13th April	Not received 17th to 23rd March.	
		Cutwa	Nil	2.50	4.16	ditto		
		Culna	0.12	4.10	5.38	ditto		
		Bood-Bood	0.19	1.69	3.67	ditto		
		Ranceganje	Nil	1.76	2.27	ditto		
		Jehanabad	0.46	1.43	4.74	ditto		
	Bankoora	Bankoora	Nil	1.85	7.07	ditto		
	Beerbhoom	Saoree	ditto	1.30	2.68	ditto		
		Hetampore	ditto	1.41	1.72	ditto		
		Keypore	ditto	1.72	1.92	ditto		
	Midnapore	Midnapore	ditto	0.44	2.63	ditto		
		Tumlook	ditto	1.11	3.61	ditto		
		Ghattal	0.16	1.32	5.32	ditto		
		Contaim...	{ Dy. Collr.'s Office... Exe. Engr.'s Office	Nil	1.23	2.63	ditto	
	Hooghly	Hooghly	Not recd.	1.08	2.72	ditto	Not received 31st Mar. to 6th April.	
		Serampore	0.60	2.01	3.82	ditto		
	Howrah	Howrah	0.04	Not recd.	2.41	6th April		
		Maheshreeka	Nil	ditto	3.88	ditto		
	CENTRAL DISTRICTS							
	PRESIDENCY.	24 Pargannahs	Saugor Island	ditto	0.10	2.80	13th April	
Alipore			{ Observatory	0.04	1.66	3.00	ditto	
			{ Dispensary	0.03	2.09	0.59	ditto	
			{ Jail	0.03	2.03	0.43	ditto	
Busseerhat			0.26	0.95	3.17	ditto		
Enaset			0.68	2.01	1.58	ditto		
Diamond Harbour			Nil	2.02	5.22	ditto		
Barrackpore			Not recd.	Not recd.	3.10	30th Mar.		
Satkhna			0.44	2.96	5.86	13th April		
Barrackpore			0.80	1.70	4.35	ditto		
Nuddea		Dum-Dum	0.20	2.55	5.00	ditto		
		Kishnaghur	0.19	1.95	4.17	ditto		
		Bongong	0.37	2.35	5.18	ditto		
		Meherpore	0.36	1.95	3.31	ditto		
		Choodadanga	1.77	2.70	6.57	ditto		
		Kooshtra	0.25	2.78	6.35	ditto		
		Ranaghat	0.46	3.28	6.54	ditto		
		Jessore	1.14	1.76	6.00	ditto		
		Narail	0.44	3.13	4.58	ditto		
		Jessore	Kaoolna	0.52	2.12	3.88	ditto	
Jhendah			1.36	3.08	8.85	ditto		
Bagnihat			0.0	0.50	2.80	ditto		
Magoorah			0.56	3.22	7.39	ditto		
Belhampore			Nil	1.30	2.31	ditto		
Rampore Haut			ditto	2.98	4.15	ditto		
Lalbagh			ditto	1.97	2.68	ditto		
Jungypore			ditto	0.16	2.01	ditto		
Azimgunge			ditto	1.27	2.77	ditto		
Lalgolla			ditto	0.64	1.52	ditto		
Dunagepore		Kandee	ditto	3.39	4.43	ditto		
		Dunagepore	ditto	0.26	3.21	ditto		
		Ragunje	ditto	0.27	1.90	ditto		
Maldah		Maldah	ditto	0.10	2.88	ditto		
		Chanchal	ditto	1.14	3.15	ditto		
Rajshahye		Banlesh	ditto	0.40	0.89	ditto		
		Nattore	ditto	0.17	1.29	ditto		
		Rungpore	ditto	0.79	1.73	ditto		
Rungpore		Bhabangunge	ditto	1.06	3.24	ditto		
		Kurigram	2.71	2.65	6.65	ditto		
		Bagdegria	1.40	0.90	3.30	ditto		
Bogra		Bogra	Nil	Nil	2.48	ditto		
		Sheepore	0.19	0.31	2.91	ditto		
		Nowkhilla	Nil	0.94	2.41	ditto		
		Panchabibi	Not recd.	0.07	2.67	ditto	Not received 21th Mar. to 6th April.	
		Haiulva	ditto	Not recd.	1.40	16th Mar.		
Pubna		Pubna	0.55	1.38	3.84	13th April		
		Seraggunje	0.10	1.07	4.68	ditto		
Darjeeling		Darjeeling...	0.22	1.84	5.04	ditto		
		{ Telegraph Office Hospital	0.22	1.65	4.02	ditto		
Julpigoree		Julpigoree	Nil	2.38	3.62	ditto		
		Boda	0.27	0.65	2.22	ditto		
		Buxa—Civil Surgeon's Office	Nil	2.32	6.02	ditto		
		Titalya	ditto	0.71	1.48	ditto		
Cooch Behar Tributary States.		Cooch Behar	0.35	2.58	4.52	ditto		

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 31st March to 6th April 1878.	Rain from 7th to 13th April 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.		
					Inches.	Up to date.			
BENGAL.—continued.									
DACC.	EASTERN DISTRICTS.		Inches.	Inches.		1878.			
		Dacca ...	Dacca... { Telegraph Office ...	3.21	1.11	5.01	13th April		
			Dacca... { Hospital ...	2.76	1.06	5.40	ditto		
			Moonsheegunge ...	1.40	1.45	5.51	ditto		
			Manickgunge ...	1.60	0.42	3.53	ditto		
		Furzedpore ...	Furzedpore ...	1.48	3.96	9.17	ditto		
			Goalundo ...	1.23	0.70	3.83	ditto		
			Madaripore ...	1.75	4.11	10.11	ditto		
		Backergunge ...	Burisal ...	0.02	2.07	3.11	ditto		
			Perzepore ...	Nil	0.39	2.91	ditto		
			Patonakhaly ...	0.04	0.03	2.96	ditto		
			Bhola ...	0.05	0.80	2.75	ditto		
		Mymensingh ...	Mymensingh ...	0.80	1.50	3.34	ditto		
			Jamalpore ...	Not recd.	0.94	3.21	ditto	Not received 31st March to 6th April.	
			Atra ...	0.51	0.93	3.27	ditto		
			Kishoregunge ...	0.98	0.63	6.79	ditto		
CHITTAGONG.	CHITTAGONG.	Chittagong ...	Chittagong { Telegraph Office	Nil	2.20	4.50	ditto		
			Chittagong { Jail ...	ditto	2.41	5.20	ditto		
			Cox's Bazar ...	0.09	2.16	4.52	ditto		
			Noakholly ...	Nil	0.09	4.89	ditto		
		Fenny ...	Noakholly ...	0.04	2.30	7.04	ditto		
			Tipperah ...	Comillah ...	0.25	4.02	8.55	ditto	
			Brahmunbariah ...	0.19	2.03	8.17	ditto		
			Chittagong Tracts. Hill	Rangamatee Hill...	0.24	4.72	8.50	ditto	
		Iuma ...		0.04	6.36	8.30	ditto	From 17th February.	
		Hill Tipperah ...	Hill Tipperah ...	1.05	1.81	8.53	ditto		
BEHAR.									
PATNA.	BEHAR.	Patna ...	Patna ...	Nil	0.29	1.00	ditto		
			Behar ...	ditto	Nil	1.44	ditto		
			Barh ...	ditto	ditto	1.28	ditto		
			Dinapore Cantonment	ditto	0.17	1.67	ditto		
		Gya ...	Gya ...	ditto	Nil	1.49	ditto		
			Nowadah ...	ditto	ditto	2.31	ditto		
			Aurangabad ...	Aurangabad ...	ditto	0.23	1.75	ditto	
				Jehanabad ...	ditto	0.05	2.41	ditto	
		Shahabad ...	Arrah ...	ditto	0.40	2.38	ditto		
			Sasaram ...	ditto	0.13	1.26	ditto	Not received 24th Feb. to 2nd Mar.	
			Buxar ...	ditto	0.69	3.30	ditto	Ditto 24th to 30th March.	
			Bhuboah ...	ditto	Nil	2.80	ditto		
		Mozufferpore ...	Mozufferpore ...	ditto	0.28	1.84	ditto		
			Hajerpore ...	ditto	0.23	1.40	ditto		
			Seetamurhee ...	ditto	2.70	3.82	ditto		
		Durbhanga ...	Durbhanga ...	ditto	0.25	1.29	ditto		
			Mudhoobunnee ...	ditto	Not recd.	0.89	8th April		
			Tajpore ...	ditto	Nil	0.41	13th April		
		Saran ...	Chupfa ...	ditto	0.25	1.57	ditto		
			Sewan ...	ditto	0.05	2.10	ditto		
		Chumparun ...	Motiharee ...	ditto	0.42	1.53	ditto		
			Bettiah ...	ditto	0.36	1.64	ditto		
			Segowlee ...	ditto	0.85	2.40	ditto		
		Monghyr ...	Monghyr ...	ditto	0.42	1.35	ditto		
			BegooSerai ...	ditto	0.48	2.51	ditto		
			Jamoore ...	ditto	0.12	1.67	ditto		
		Bhagulpore ...	Bhagulpore ...	ditto	1.06	3.32	ditto		
			Scopool ...	ditto	0.10	0.10	ditto		
			Muddelpoorah ...	ditto	0.10	1.00	ditto		
			Banka ...	ditto	0.07	2.50	ditto		
			Sonbursa ...	ditto	0.20	1.20	ditto		
Purneah ...		Purneah ...	ditto	1.33	2.46	ditto			
		Kissengunge ...	ditto	1.05	1.86	ditto			
		Ariareh ...	ditto	3.20	3.70	ditto			
Sonthal Pergunnahs ...		Nya Doonka ...	ditto	Not recd.	0.62	6th April			
		Rajmenal ...	ditto	ditto	1.05	ditto			
	Deoghur ...	ditto	ditto	1.32	ditto	Ditto ditto ditto.			
	Godda ...	ditto	ditto	1.12	ditto				

DIVISIONS.	DISTRICTS.	STATIONS	Rain from 31st March to 6th April 1878.	Rain from 7th April to 13th April 1878.	RAIS FROM 1st JANUARY 1878.		REMARKS
					Inches.	Up to date	
ORISSA.	Cuttack	Cuttack .. { Telegraph Office	Nil	0.30	0.70	13th April	
		.. { Hospital	0.24	Not recd.	1.38	6th April	
		Jappore ..	Nil	ditto	0.20	ditto	
		Kendraparah ..	0.50	ditto	1.30	ditto	
		Jagatsingapore ..	Nil	ditto	0.50	ditto	
		False Point ..	ditto	0.10	0.70	13th April	
		Pooree .. {	ditto	0.08	0.18	ditto	
		.. { Khurdah ..	0.05	Not recd.	0.20	6th April	
		Balasore ..	Nil	3.60	5.70	13th April	
		Bhadrack ..	0.10	2.20	3.11	ditto	
	Balasore	Jellasore ..	Nil	0.30	5.20	ditto	
		Sorah ..	0.30	1.20	4.38	ditto	
		Chandbally ..	Nil	1.14	2.86	ditto	
	Cuttack Tributary Mehals.	Sumbalpure ..	ditto	Not recd.	0.75	6th April	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh .. { Jail	ditto	0.36	2.02	13th April	
		.. { Dispensary	ditto	0.43	1.71	ditto	
	Lohardugga	Pachamba ..	ditto	0.70	1.51	ditto	
		Ranchee ..	ditto	1.27	4.31	ditto	
	Singbhoom	Palamow ..	ditto	0.57	1.54	ditto	
		Chyebansa ..	ditto	1.22	4.59	ditto	
	Manbhoom	Purulia ..	ditto	1.93	6.70	ditto	
		Govindpore ..	ditto	1.08	2.67	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet ..	Sylhet ..	10.53	5.91	21.52	ditto	
	Sibsagar	Sibsagar ..	2.68	Not recd.	7.79	6th April	
		Golaghat ..	2.83	ditto	10.60	ditto	
		Jorhat ..	2.26	ditto	6.86	ditto	
	Rajpootana	Akyab ..	Nil	0.20	0.80	13th April	
		Alwar ..	ditto	Nil	1.20	ditto	
		Jaipur ..	ditto	0.31	1.60	ditto	
		Sambhar ..	ditto	0.30	0.40	ditto	

Calcutta,  
The 20th April 1878.

Alexander Pedler,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 14th to 20th April 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea- level.	HYGROMETER.		Humidity at 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	April 14th	10	30.013	30.035	83.0	74.1	63	N by W	3.0	0.08	CK	c
	14th	16	29.949	29.971	83.1	73.0	60	N by W	10.2	.....	K, FK	c
	15th	10	29.945	29.967	82.9	71.8	57	E	3.3	.....	CK	c
	16th	10	29.794	29.815	89.0	71.5	45	S E by E	3.7	.....	K, C	c
	16th	10	29.935	29.957	81.8	73.7	67	E N E	4.0	1.18	K	c
	17th	10	29.788	29.809	88.5	77.0	57	N by E	4.7	.....	K	c
	17th	10	29.903	29.924	85.3	78.0	73	S S W	2.5	.....	K	c
	18th	10	29.854	29.875	91.0	72.0	38	W by N	4.2	.....	K, C	c
	18th	10	29.972	29.993	88.0	77.0	65	*W N W	5.5	.....	K	c
	18th	10	29.850	29.871	92.0	72.5	35	N W by W	4.5	.....	.....	b
SAUGOR ISLAND.	19th	10	29.911	29.932	88.4	76.0	54	S	4.0	.....	.....	b
	19th	10	29.863	29.884	93.6	75.0	39	S W	12.0	.....	CS	b
	20th	10	29.807	29.818	88.3	76.4	56	S W	7.8	.....	.....	b
	18th	10	29.765	29.786	92.0	77.3	49	S S W	8.8	.....	.....	b
	April 14th	10	30.011	30.017	84	76	68	N W	4.8	.....	C	b
	15th	10	29.925	29.931	89	76	53	N	11.6	.....	PK	b
	16th	10	29.932	29.938	85	78	72	W	3.8	.....	PK	b
	16th	10	29.805	29.811	86	79	72	S	5.2	.....	PK	b
	17th	10	29.919	29.925	86	79	72	S S E	6.3	.....	PK	b
	17th	10	29.792	29.798	88	79	66	S	8.0	.....	K	b
CHITTAGONG.	18th	10	29.906	29.972	89	81	69	W	4.2	.....	K	b
	18th	10	29.802	29.809	88	81	73	S	10.4	.....	K	b
	18th	10	29.976	29.982	90	81	66	W	10.2	.....	FK, K	b
	18th	10	29.855	29.861	88	82	76	S	11.2	.....	K	b
	19th	10	29.950	29.956	89	83	77	S W	12.0	.....	FK	b
	20th	10	29.825	29.831	88	83	80	S E	11.4	.....	K	b
	20th	10	29.905	29.911	88	81	73	S S W	15.0	.....	.....	b
	16th	10	29.795	29.801	89	82	73	S	15.1	.....	FK	b
	April 14th	10	29.890	29.948	83	77	65	N	5.3	.....	CS	m
	15th	10	29.802	29.804	85	76	64	N	5.2	.....	C, CK	m
ARYAR.	16th	10	29.829	29.921	86	75	58	N	5.0	.....	.....	m
	17th	10	29.880	29.961	87	74	62	N	5.6	.....	CK, C	m
	18th	10	29.874	29.965	89	73	41	Calm.	3.5	.....	C, K	m
	19th	10	29.856	29.947	89	75	50	W N W	5.5	.....	K	b
	20th	10	29.816	29.937	89	76	53	Calm.	5.4	.....	K	m
	April 14th	10	29.935	29.959	95	78	44	N	6.8	.....	.....	b
	15th	10	29.843	29.904	83	79	52	N N W	8.0	.....	.....	.....
	16th	10	29.886	29.907	91	76	48	W S W	7.4	.....	.....	.....
	17th	10	29.923	29.944	93	75	40	N	6.0	.....	.....	.....
	18th	10	29.874	29.965	89	73	44	Calm.	3.5	.....	CK	.....
DIAMOND ISLAND.	19th	10	29.916	29.967	90	75	47	E	7.6	.....	.....	.....
	20th	10	29.911	29.932	89	78	59	E	5.9	.....	.....	.....
	April 14th	10	29.962	30.003	86	81	70	N W	10.9	.....	.....	b
	15th	10	29.876	29.917	88	82	76	W N W	10.9	.....	.....	b
	16th	10	29.894	29.935	87	81	76	N W	7.9	.....	.....	b
	17th	10	29.920	29.961	87	81	76	N N W	8.8	.....	.....	b
	18th	10	30.014	30.055	88	81	73	N W	7.9	.....	.....	b
	19th	10	29.250	29.991	87	79	69	N N W	6.9	.....	.....	b
	20th	10	29.946	29.977	87	80	72	N W	5.9	.....	.....	b
	April 14th	10	29.935	30.016	88	75	52	E N E	3.3	.....	K, CK, C	.....
CUTTACK.	15th	10	29.855	29.936	87	75	55	S W	2.8	0.40	CK, PK, C	.....
	16th	10	29.832	29.913	89	76	53	N	3.2	.....	C, CK	.....
	17th	10	29.882	29.962	90	76	50	W N W	10.0	.....	.....	.....
	18th	10	29.854	29.905	92	75	43	S	2.8	.....	.....	.....
	19th	10	29.862	29.942	95	71	26	S S W	4.5	.....	.....	.....
	20th	10	29.822	29.903	94	71	24	S S W	4.6	.....	.....	.....
	April 14th	10	30.002	30.017	88	77	59	E	5.2	.....	K	.....
	15th	10	29.924	29.939	87	77	62	S E	6.0	0.40	C, CK	.....
	16th	10	29.914	29.939	90	79	60	Calm.	5.0	.....	.....	.....
	17th	10	29.962	29.977	88	79	60	E	3.5	.....	C, CS	.....
VAGAPATAM FAIR POINT.	18th	10	29.949	29.964	90	77	53	S S E	4.6	.....	.....	.....
	19th	10	29.936	29.951	93	75	40	W S W	5.1	.....	.....	.....
	20th	10	29.909	29.924	91	79	57	S S W	5.9	.....	.....	.....
	April 14th	10	29.991	30.022	87	77	62	S by E	2.6	.....	.....	.....
	15th	10	29.931	30.062	86	76	61	E S E	2.2	.....	.....	.....
	16th	10	29.891	30.022	87	78	65	S by E	1.7	.....	.....	.....
	17th	10	29.941	29.972	87	77	62	S E by S	1.9	.....	.....	.....
	18th	10	29.971	30.002	87	77	62	S E	1.2	.....	.....	.....
	19th	10	29.946	29.977	89	74	47	W by S	2.3	.....	.....	.....
	20th	10	29.926	29.957	88	76	56	S by W	2.2	.....	.....	.....
MADRAS.	April 13th	10	29.935	30.057	90	78	59	S E by E	1.4	.....	.....	.....
	14th	10	29.814	29.836	89	79	63	E S E	1.6	.....	.....	.....
	14th	10	30.005	30.027	91	79	57	S E by S	1.2	.....	.....	.....
	15th	10	29.852	29.874	90	80	63	E S E	1.3	.....	.....	.....
	16th	10	29.944	29.967	80	77	87	S S E	4	0.30	.....	cloudy
	16th	10	29.822	29.844	87	78	65	S E by E	7	.....	.....	cloudy
	16th	10	29.905	29.927	88	79	66	S S E	5	.....	.....	cloudy
	17th	10	29.763	29.784	89	78	59	E S E	12	.....	.....	cloudy
	18th	10	29.953	29.975	87	79	69	S E by E	5	.....	.....	.....
	18th	10	29.834	29.856	87	78	65	E by S	10	.....	.....	cloudy
COLOMBO.	18th	10	29.990	30.012	94	80	52	K	5	.....	.....	.....
	18th	10	29.885	29.907	90	79	60	N E by E	13	.....	.....	.....
	19th	10	29.991	30.013	89	77	56	E S E	7	.....	.....	.....
	19th	10	29.854	29.875	89	76	53	E S E	11	.....	.....	.....
	April 14th	10	29.932	29.972	89	80	76	N by E	5.0	.....	C	.....
	15th	10	29.907	29.947	89	82	73	N N E	5.6	.....	C	.....
	16th	10	29.860	29.900	89	81	69	S E	4.8	1.20	C	.....
	17th	10	29.912	29.952	87	80	72	E S E	2.4	.....	C	.....
	18th	10	29.942	29.982	87	79	69	S W	4.2	.....	C	.....

\* Not received.

\* Velocity of wind in miles per hour.

## Results of the Meteorological Observations taken at the Alipore Observatory from 14th to 20th April 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE				HYGROMETRY.				WIND.		Rain	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
April	14th	149.9	29.959	76.8	85.8	12.8	73.0	72.3	0.734	70.0	70	Till 9½ A.M. E by S through W and N, till 5½ P.M. N N W through N E and N, till midnight E by S through N and N E.	152	Nil	Chiefly cloudy, o and g.
"	15th	151.5	868	76.5	89.4	18.4	71.0	70.8	.678	67.6	74	Till 9 A.M. E N E through E, till 1 P.M. S through E and S E till 7½ P.M. S back again round W, N and E, till midnight N by W through W and N W.	104	0.01	Day cloudy, night clear, w, o, g, t, l, p, h and
"	16th	153.8	.850	77.4	88.9	20.3	68.6	72.0	.750	70.6	80	Till 11½ A.M. S through E and S E, till 4 P.M. N by E through W and N W, till midnight S by W through W and S W.	97	*0.24	Day cloudy, partially clear, night
"	17th	156.8	.908	80.2	91.5	17.3	74.2	74.4	.772	71.5	74	Till 3 P.M. N by W through W and N W, till midnight S W by S through N W and W.	78	Nil	Day cloudy, partially clear, and so.
"	18th	154.0	.908	80.9	93.1	21.6	71.5	73.5	.726	68.7	60	Till 11 A.M. N W by W through W, till midnight S through W and S W.	90	"	Chiefly clear, and so.
"	19th	154.3	.879	82.7	94.7	19.2	75.5	75.3	.777	71.6	69	S and S W	137	"	Clear, and so.
"	20th	152.7	.838	82.2	95.0	20.0	75.0	76.1	.821	73.3	75	S W and S by	169	"	Clear, and so.*

\* Fell at 7.25 P.M. of the 16th.

The mean pressure of the seven days ... 29.888  
 The average pressure of the corresponding period for 25 years, S. G. Office ... 29.752

The mean temperature of the seven days ... 79.5  
 The average temperature of the corresponding period for 25 years, S. G. Office ... 84.9  
 The extreme variation of temperature during the seven days ... 26.4  
 The maximum temperature during the seven days ... 95.0

The mean relative humidity during the seven days ... 74  
 The average relative humidity of the corresponding period for 25 years, S. G. Office ... 70

The total fall of rain from 14th to 20th April 1878 ... 1.18  
 The average fall of the corresponding period for 25 years, S. G. Office ... 0.29  
 The total fall from 1st January to 20th April 1878 ... 4.27  
 The average fall of the corresponding period for 25 years, S. G. Office ... 3.86

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, w dew, t thunder, l lightning, p passing temporary showers, h hail, strong wind.

METEOROLOGICAL OFFICE, INDIA,  
 The 22nd April 1878.

ALEXANDER PEDLER,  
 For Offg. Meteorological Reporter to the Government of India.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

ORISSA CIRCLE.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of February 1878.

Kendrapara Canal.

LENGTH OF CANAL OPEN—39 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. & P.	A. P.
136	Rice	43,651	1,69,083	61,189	2,182	85,512	885 3 9	
165	Paddy	28,284	66,568	40,107	1,414	57,584	575 12 0	
48	Jaggery	7,551	29,755	12,216	437	14,174	104 4 0	
19	Salt	3,754	16,770	5,777	204	6,242	60 2 0	
22	Grain	6,040	13,295	7,893	282	10,652	113 10 0	
15	Teel-seed	3,000	16,200	5,316	199	7,298	69 12 0	
12	Miscellaneous	3,383	38,540	4,729	169	6,750	74 7 6	
14	Gummes, &c.	2,499	16,665	3,416	119	4,514	62 3 6	
6	Gallnuts	2,350	3,975	2,674	95	3,512	43 0 3	
2	Hides	400	4,000	760	27	1,000	10 14 0	
6	Spices	1,450	29,000	4,282	153	4,529	56 6 0	
1	Piece-goods, &c.	653	14,800	453	16	610	9 12 0	
2	Laterite stone	800	12	910	33	628	4 8 0	
1	Cotton	100	7,000	261	7	112	1 0 0	
1	Henup	91	455	122	4	96	1 8 0	
1	Furniture	18	18	24	1	16	0 4 0	
1	Earthen pots	78	20	105	4	96	1 8 0	
8	Sleeper	3,439	7,954	4,996	178	7,120	83 9 3	
13	Timber	2,350	8,457	4,354	157	6,290	62 14 0	
11	Bamboos	960	115	1,875	67	2,690	25 14 0	
1	Nux vomica	650	858	650	20	800	11 9 3	
1	Twist, &c.	672	13,100	672	24	960	14 10 0	
3	Dry fish	70	700	206	7	280	2 2 0	
4	Lack, &c.	968	8,869	1,539	49	1,792	19 8 6	
3	Gravel	700	12	1,038	37	1,480	15 0 0	
1	Earthen rings	400	50	966	35	1,400	14 4 0	
2	Limes	500	128	917	34	1,400	13 2 0	
10	Passenger boats			479	18	540	6 12 10	
277	Empty boats			50,584	1,691	39,832	378 8 0	
786	Total	1,14,589	4,49,016	1,98,043	7,094	2,67,640	2,696 0 10	0 2 6
140	Total of same month last year	9,610	21,713	18,177	650	13,950	157 6 6	
MISCELLANEOUS.								
	Timbers, 149 in number		626				53 12 0	
	Bamboos, 86,556 in number		1,240				185 12 8	
	Demurrage on boats						8 8 0	
	Total		1,872				243 9 8	
2	Total of same month last year		95				8 1 4	

(2) STORES AND MATERIALS FOR IRRIGATION WORKS

3	Gvals	337	76	671	29	230	13 2 0	
1	Brushwood	150	30	282	10	159	1 6 0	
1	Lime	100	30	171	6	96	1 8 0	
10	Empty boats			661	20	856	5 14 0	
15	Total	587	136	1,565	65	852	21 14 0	0 4 5
41	Total of same month last year	840	632	13,603	480	7,820	67 14 0	
MISCELLANEOUS.								
	Bamboos, 250 in number		4				0 3 4	
65	Boats passed free							
65	Total		4				0 3 4	
	Total of same month last year							

TRAFFIC BETWEEN CUTTACK AND SEABOARD.

(1) PRIVATE.

	Total							
414	Total of same month last year	58,015	1,48,948	1,09,423	3,908	1,70,720	1,611 12 5	
MISCELLANEOUS.								
	Total							
8	Total of same month last year		1,136				150 0 0	



Kendrapara Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
	Total							
13	Total of same month last year	900	2,025	4,962	177	7,080	73 0 0	
	MISCELLANEOUS.							
	Total							
1	Total of same month last year		276				23 4 0	

ABSTRACT--LOCAL TRAFFIC.

786	Private, including miscellaneous	1,14,349	4,50,888	1,08,643	7,093	2,65,640	2,939 1 6	
80	Government stores, including miscellaneous	587	140	1,565	56	852	23 1 4	
	Total	1,14,936	4,51,028	2,00,208	7,149	2,66,492	2,961 2 10	
							27 6 0	
							2,988 12 10	
183	Total of same month last year	9,850	22,642	31,580	1,130	21,770	234 5 10	

TRAFFIC BETWEEN CUTTACK AND SEABOARD.

	Private, including miscellaneous							
	Government stores, including miscellaneous							
	Total							
436	Total of same month last year	58,315	1,52,383	1,14,345	4,085	1,03,400	1,808 8 5	
866	Grand total	1,14,976	4,51,028	2,00,208	7,149	2,66,492	2,963 12 10	
619	Grand total of same month last year	98,765	1,75,027	1,45,005	5,215	1,85,170	2,101 12 8	
	Deduct amount erroneously charged to Messrs. Stoney & Co. during January 1877						1 10 0	
							2,100 2 8	

MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	852 8 1
Amount of tollage for the month	2,963 12 10
	Total
Amount credited in the accounts for the month	3,786 4 11
	2,939 9 10
Balance at the end of the month	1,194 4 1

Deduct amount erroneously charged to Mahanuddy Division as service bearing instead of free during November 1877, which is now refunded.

High Level Canal.

LENGTH OF CANAL OPEN--37 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

30	Paddy	3,500	7,000	7,527	284	9,128	105 12 9	
33	Rice	5,300	21,200	10,793	386	12,390	150 13 0	
17	Gallnuts	1,900	1,900	3,965	142	4,794	58 2 0	
16	Timber	1,400	4,900	2,869	102	3,456	70 2 0	
15	Ginselly	1,900	9,500	3,957	141	4,700	58 14 0	
4	Gram	250	375	508	18	615	8 0 0	
5	Cotton	500	3,000	1,009	30	922	10 14 0	
3	Chalk	200	900	445	16	644	7 2 0	
18	Straw	2,200	550	4,334	163	5,119	49 4 0	
13	Jaggery	1,400	7,000	2,439	87	1,481	26 8 0	
10	Salt	150	750	2,877	103	3,502	40 0 0	
2	Lime	50	200	512	11	60	1 6 0	
3	Pumpkins	50	30	118	4	24	0 10 8	
3	Passenger boats			181	6	204	3 7 6	
168	Empty boats			18,890	676	10,571	221 7 4	
339	Total	18,800	59,305	60,424	2,154	60,506	812 7 5	0 23 4
203	Total of same month last year	61,407	1,42,623	33,608	1,200	30,564	396 11 3	0 25
	MISCELLANEOUS.							
	Total							
	Total of same month last year							

High Level Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage	Tollage	Rate of ton per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A P.	A P.
3	Tools, &c.	110	300	292	10	215	2 6 0	
28	Rubble	6,500	100	12,125	469	469	64 2 0	
23	Empty boats			5,212	180	1,488	25 14 0	
54	Total	6,610	400	18,619	665	2,172	92 6 0	0 8 1
50	Total of same month last year	5,737	2,903	16,319	584	9,664	120 2 0	0 2 9
MISCELLANEOUS.								
	Total							
10	Total of same month last year		6				0 6 8	
ABSTRACT.								
230	Private, including miscellaneous	18,800	59,305	60,124	2,158	65,06	812 7 3	
54	Government stores, including miscellaneous.	6,640	400	18,629	665	2,172	92 6 0	
304	Grand Total	25,440	59,705	78,753	2,823	67,238	904 13 3	
							2 5 0*	
							902 9 3	
265	Grand total of same month last year	67,144	1,45,112	49,957	1,784	40,228	547 4 8	

\* Deduct excess toll collection refunded.

MEMO.		Rs. A P.
Unrecovered balance on the 1st of the month		119 9 5
Amount of tollage for the month		902 9 3
	Total	1,052 2 6
Amount credited in the accounts for the month		817 10 6
Balance at the end of the month		234 8 0

Taldunda Canal.

LENGTH OF CANAL OPEN—27 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

4	Paddy	3,027	3,400	4,415	158	1,688	11 0 8	
1	Mustard	346	1,385	583	21	311	1 7 4	
1	Cotton	396	1,980	512	18	456	1 4 6	
5	Sundry	1,645	170	2,635	94	1,044	6 9 5	
1	Kenia grass	195	30	375	13	291	0 13 0	
2	Bamboos	506	60	870	31	310	2 2 10	
4	Sand cut stone	1,803	300	3,107	111	2,997	7 12 4	
5	Rubble	1,870	60	3,410	122	122	2 2 2	
3	Boundary pillars	890	320	1,800	64	1,157	4 8 0	
47	Empty boats			7,424	265	4,244	15 10 11	
77	Total	10,878	7,705	25,131	897	12,610	53 9 2	0 0 8
13	Total of same month last year	1,456	1,830	3,019	132	1,321	8 13 6	0 1 2
MISCELLANEOUS.								
88	logs		302				16 6 0	
13,900	bamboos		195				22 5 4	
2	Passengers for 27 miles						0 1 2	
	Dormitory for three days						0 13 0	
	Total		497				30 8 6	
	Total of same month last year		184				14 2 8	

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

	Total	Nil						
2	Total of same month last year	270	50	690	25	25	0 6 11	0 3 3
MISCELLANEOUS.								
	Total	Nil						
	Total of same month last year							

Taldunda Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
77 ...	Private, including miscellaneous .. Government stores, including ditto	10,878 ...	8,202 ..	25,131 ..	897 ...	12,610 .....	93 1 8 .....	... .. .....
77	Grand total	10,978	8,202	25,131	897	12,610	93 1 8	.....
15	Grand total of same month last year	1,778	2,064	3,709	157	1,346	73 7 1	.....

MEMO.		Rs.	A.	P.	Rs.	A.	P.
Unrecovered balance on the 1st of the month		...	...	...	43	12	1
Amount of the tollage for the month		...	...	...	93	1	8
Amount credited in the accounts for the month		...	...	...	...	136	13 9
Balance at the end of the month		...	...	...	...	49	0 9
		...	...	...	...	87	4 0

SOUTH-WESTERN CIRCLE.

Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

2	Bamboos, 350 in number ..	55	46	375	...	...	1 6 6	...
1	Bones ..	100	50	250	...	...	2 3 0	...
29	Betel-leaves ..	1,171	6,119	4,180	...	...	22 3 9	...
6	Bricks and tiles, 6,200 in number ..	445	123	1,690	...	...	13 4 6	...
23	Brass and copper and their manufactures ..	2,400	96,701	7,350	...	...	64 5 6	...
46	Coal and coke ..	10,085	6,079	20,640	...	...	236 5 3	...
11	Cotton, raw ..	1,005	17,000	2,795	...	...	20 13 0	...
52	Cotton, twist and yarn (European) ..	5,353	1,77,070	15,740	...	...	167 2 3	...
23	Cotton, piece-goods (European) ..	2,146	1,99,250	6,880	...	...	72 15 6	...
15	Ditto ditto (Indian) ..	271	51,675	2,385	...	...	19 9 6	...
2	Cocoanuts, 8,000 in number ..	160	210	375	...	...	3 4 6	...
15	Curd ..	640	1,320	2,675	...	...	23 6 6	...
1301	Empty boats ..	...	...	96,385	...	...	1,208 7 0	...
35	Earthenware ..	2,091	818	7,780	...	...	41 8 3	...
59	Fruits and nuts of all kinds ..	14,425	34,650	30,075	...	...	373 9 0	...
11	Firewood ..	630	109	1,795	...	...	7 1 3	...
69	Gram and pulse ..	7,415	27,652	19,050	...	...	188 4 0	...
4	Gunny-bags, 4,200 in number ..	260	590	900	...	...	12 1 6	...
1	Glass-ware ..	10	600	50	...	...	1 8 0	...
6	Gunny cloth, 859 pieces ..	263	2,630	1,050	...	...	3 15 0	...
3	Hides of cattle, untanned, 4,000 in number ..	310	5,200	675	...	...	9 9 0	...
3	Horns ..	250	6,750	825	...	...	7 3 6	...
8	Indigo-seed ..	1,046	28,680	4,125	...	...	116 10 0	...
1	Indigo ..	100	25,000	225	...	...	6 12 0	...
3	Iron and its manufactures ..	70	700	495	...	...	7 1 0	...
11	Jute, raw ..	800	3,500	2,640	...	...	9 15 0	...
1	Lime and limestone ..	50	47	200	...	...	0 12 0	...
54	Mustard ..	5,673	21,823	15,205	...	...	105 3 9	...
52	Miscellaneous ..	2,059	5,440	8,645	...	...	98 13 6	...
3	Other oil-seed ..	300	1,200	850	...	...	7 7 0	...
4	Other saline substances ..	400	950	1,150	...	...	13 8 0	...
4	Other fibres, raw ..	800	2,800	1,975	...	...	33 15 0	...
1106	Passenger boats ..	...	...	72,040	...	...	778 14 9	...
519	Paddy ..	48,750	75,035	91,700	...	...	1,637 4 6	...
2	Pieces of tanned leather, 2,020 in number ..	200	1,200	350	...	...	9 6 0	...
1	Rope-car ..	200	1,000	550	...	...	10 8 0	...
569	Rice ..	115,839	3,04,745	2,20,540	...	...	2,294 12 0	...
10	Spices ..	710	6,500	2,005	...	...	25 3 3	...
98	Salt ..	27,981	1,24,636	66,350	...	...	491 14 0	...
41	Sugar, unrefined ..	7,090	27,812	16,270	...	...	116 12 3	...
43	Straw, 2,044 kahans ..	6,296	3,080	22,215	...	...	92 4 9	...
9	Silk, raw ..	424	2,09,530	2,485	...	...	45 5 6	...
1	Stamp paper ..	2	1,000	100	...	...	3 0 0	...
13	Stone plates ..	2,400	8,775	4,700	...	...	54 5 6	...
109	Sulphur, 2,523 in number ..	5,395	7,939	7,515	...	...	155 13 9	...
5	Sand ..	1,115	57	2,300	...	...	8 4 0	...
85	Timber, 454 in number ..	4,756	8,069	6,275	...	...	154 3 9	...
36	Tobacco ..	3,623	24,450	9,525	...	...	114 6 6	...
59	Vegetable and other kinds of provisions ..	3,922	7,545	8,900	...	...	100 3 3	...
2	Treasure ..	249	6,00,000	625	...	...	18 12 0	...
13	Wheat ..	715	2,140	2,170	...	...	25 11 9	...
478	Total	2,91,544	21,26,519	7,85,915	28,069	5,58,931	9,049 6 0	0 3
1753	Total of same month last year	1,25,518	3,77,012	2,89,425	10,336	2,14,358	3,585 12 3	0 3
MISCELLANEOUS.								
...	Passengers, 13,618 in number ..	...	...	...	...	...	314 14 10	...
...	Demurrage, &c. ..	...	...	...	...	...	15 13 8	...
7	Boats passed free ..	...	...	...	...	...	...	...
7	Total	...	...	...	...	...	350 12 6	...
46	Total of same month last year	...	400	...	...	...	59 13 0	...

Midnapore Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
4	Coal ... ..	2,050	685	3,775	...	...	37 1 0	...
10	Empty boats ... ..	...	...	3,600	...	...	74 4 0	...
2	Block stones ... ..	1,000	120	1,800	...	...	42 12 0	...
2	Rubble stones ... ..	1,000	100	1,800	...	...	42 12 0	...
1	Bolts ... ..	25	250	50	...	...	0 12 0	...
1	Iron and its manufactures ... ..	10	25	70	...	...	1 1 0	...
1	Sail pites, No. 62 ... ..	100	155	100	...	...	1 0 6	...
21	Total ... ..	4,185	1,295	11,195	309	10,156	199 10 6	0 2
	Total of same month last year ... ..	...	...	...	...	...	...	...
	MISCELLANEOUS.							
	.....	.....	.....	.....	.....	.....	.....	.....
	Total ... ..	...	.....	...	...	...	...	...
	Total of same month last year ... ..	.....	.....	...	.....	.....	.....	.....

ABSTRACT.

4,595	Private, including miscellaneous ... ..	2,91,544	21,20,519	7,95,945	28,069	5,58,991	9,380 2 6	...
21	Government stores, including ditto ... ..	4,185	1,295	11,195	309	10,156	199 10 6	...
4,606	Grand total ... ..	2,95,729	21,27,804	7,97,140	28,468	5,69,087	9,579 13 0	...
1,800	Grand total of same month last year ... ..	1,25,549	3,77,442	2,80,425	10,336	2,14,359	3,645 0 3	...

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month ... ..	1,712 8 5
Amount of Tollage for the month ... ..	9,579 13 0
Total ... ..	11,292 5 5
Amount credited in the accounts for the month ... ..	10,039 10 3
Balance at the end of the month ... ..	1,252 11 2

Hidgellee Tidal Canal.

LENGTH OF CANAL OPEN—29 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

The Hidgellee Tidal Canal was closed owing to the silt clearance.

	Total ... ..	...	.....	...	...	...	...	...
2,033	Total of same month last year ... ..	94,189	1,57,814	2,50,934	8,962	1,65,771	2,914 2 3	0 33
	MISCELLANEOUS			Nil	.....	.....	.....	.....
	Total ... ..	...	.....	...	...	.....	...	...
	Total of same month last year ... ..	...	583	...	...	.....	33 9 3	...

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.—Nil.

ABSTRACT.

...	Private, including miscellaneous ... ..	...	.....	.....	.....	...	.....	.....
...	Government stores, including miscellaneous ... ..	...	.....	.....	.....	...	...	.....
...	Grand total ... ..	...	.....	.....	.....	.....	.....	.....
2,033	Grand total of same month last year ... ..	94,189	1,58,917	2,50,934	8,962	1,65,771	2,913 11 0	.....

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month ... ..	0 13 6
Amount of tollage for the month ... ..	0 0 0
Total ... ..	0 13 6
Amount credited in the accounts for the month ... ..	0 0 0
Balance at the end of the month ... ..	0 13 6



Western Main Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE.		TONNAGE OF BOATS		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
131	Rubble stone	Mds.	Rs. A. P.				Rs. A. P.	A. P.
141	Empty boats	31,439	1,571 15 0	45,550	1,027	9,135	284 11 0	
				17,509	625	4,088	115 0 0	
	Deduct amount excess shown by the sub-divisional officer in the amounts of bearing toll tickets						399 11 0	
							0 9 6	
262	Total	31,439	1,571 15 0	63,050	2,252	12,223	399 1 6	0 5 8
109	Total of same month last year	19,966	702 0 0	36,900	1,337	7,655	232 2 0	0 6 3
MISCELLANEOUS.								
	Total							
	Total of same month last year							
ABSTRACT.								
34	Private, including miscellaneous	5,290	25,550 0 0	9,950	354	8,988	183 8 0	
262	Government stores, including miscellaneous	31,439	1,571 15 0	63,050	2,252	13,223	599 1 6	
296	Grand total	56,729	27,121 15 0	73,000	2,606	22,211	532 9 6	
114	Grand total of same month last year	19,296	779 0 0	37,975	1,397	7,831	240 0 6	

MEMO.		Rs. A. P.
Unrecovered balance on the 1st of the month		447 13 3
Amount of tollage for the month		533 3 0
Deduct mistake made by the sub-divisional officer in the amount of bearing toll ticket		981 0 3
		0 9 0
Total		950 6 0
Amount credited in the accounts for the month		500 14 6
Balance at end of the month		449 8 3

Patna Canal.

LENGTH OF CANAL OPEN—84 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

7	Rice	410	2,270	842	30		12 3 5	
12	Other food	1,327	7,043	2,818	99	4,788	50 13 10	
4	Teel	250	990	496	18	1,007	10 7 6	
2	Other seeds	210	655	416	16	604	7 2 4	
12	Building materials	1,053	347	1,716	61	3,547	35 7 0	
5	Cooking utensils	719	264	1,539	55	4,278	96 11 0	
6	Passenger boats			628	21	805	10 3 1	
17	Miscellaneous	1,332	4,050	3,119	112	7,481	75 0 7	
36	Empty boats			2,902	110	3,667	33 7 10	
101	Total	5,591	15,439	14,190	522	20,164	281 8 7	0 2
	Total of same month last year							
MISCELLANEOUS.								
	Bamboos, 401,100 in number		9,218				214 10 9	
	Total		9,218				214 10 9	
	Total of same month last year							

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

7	Ashlar	623		2,904	93	1,504	40 6 3	
230	Rubble	600		68,508	2,140	1,15,320	1,561 3 6	
4	Soorkee			1,312	18	371	10 2 6	
62	Other building materials	5,857	472	26,811	965	15,979	290 7 4	
39	Coal	9,417	4,191	15,942	5,541	16,703	215 14 9	
1	Timber	60	180	178	6	265	2 10 10	
1	Thatcher's materials	75	11	169	6	252	3 4 9	
1	Miscellaneous			406	14	76	0 12 0	
250	Empty boats			25,021	5,367	22,904	394 7 11	
585	Total	16,034	4,834	141,670	14,378	1,73,383	2,324 5 10	0 2 3
	Total of same month last year							
MISCELLANEOUS.								
173	Boats passed free							
173	Total							
	Total of same month last year							

## Patna Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
101	Private, including miscellaneous	5,301	24,687	14,436	522	26,164	496 3 4	.....
738	Government stores, including miscellaneous	15,634	4,854	1,41,670	14,378	1,73,583	2,324 5 10	.....
859	Grand Total	21,935	29,541	1,50,106	14,900	1,90,547	2,820 9 2	.....
							5 4 9*	.....
...	Grand total of same month last year	.....	.....	.....	.....	.....	2,815 4 5	.....

\* Deduct demurrage shown last month.

## MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	226 7 5
Amount of tollage for the month	2,815 4 5
	Total
Amount credited in the accounts of the month	3,041 11 10
	2,817 0 0
Balance at the end of the month	45 2 10

## ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1877-78.		TOLLAGE OF THE YEAR 1876-77.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
Kendraparah ... ..	Rs. A. P. 2,383 12 10	Rs. A. P. 20,512 10 0	Rs. A. P. 2,100 2 3	Rs. A. P. 15,673 15 9	
High Level, Section I ... ..	902 9 3	6,329 7 3	547 4 8	3,563 1 10	
Taldanda ... ..	93 1 8	1,345 3 4	23 7 1	1,033 5 0	
Total Orissa Circle	3,929 7 9	28,187 4 7	2,670 14 0	19,670 6 7	
SOUTH-WESTERN CIRCLE.					
Midnapore ... ..	9,579 13 0	93,853 13 0	3,645 9 3	63,338 0 3	
Hidgellee Tidal ... ..	...	58,023 11 9	2,943 11 6	84,122 5 7	
Total South-Western Circle	9,579 13 0	1,51,876 8 9	6,589 4 9	1,01,400 5 10	
SONE CIRCLE.					
Arrah ... ..	1,005 8 5	11,551 10 7	278 4 9	3,618 0 11	
Western Main ... ..	532 0 6	3,550 14 3	240 0 6	540 14 0	
Patna ... ..	2,815 4 5	6,791 11 10	...	...	
Total Sone Circle	4,353 6 4	21,894 4 8	518 5 3	4,158 15 8	
Grand Total ... ..	17,862 11 1	2,01,968 2 0	9,778 8 0	1,25,289 12 1	

F. T. HAIG, Col., R.E.,

Joint Secy. to the Government of Bengal,

P. W. Dept., Irrigation Branch.

The 11th April 1878.

## PUBLIC WORKS DEPARTMENT, - BENGAL.

GENERAL ESTABLISHMENT.—No. 95.—The 22nd April 1878.

Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagiruthce, and Brahmapootra during the month of March 1878.

Date.	RIVER GANGES.										BRAHMAPOOTRA.			
	RIVER GANGES.										RIVER BHAGIRUTHCE.			
	Mirzapore.	Benares.	Buxar.	Lunaticre.	Meerut.	Sahabganje.	Rampore Baulah.	Gaundee.	Barnapore.	Kishinagur.	Gowlaty.			
Distance.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.	Height below zero over mean of gauge, sea-level.
1st	875	20475	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
2nd	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
3rd	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
4th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
5th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
6th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
7th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
8th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
9th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
10th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
11th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
12th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
13th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
14th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
15th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
16th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
17th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
18th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
19th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
20th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
21st	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
22nd	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
23rd	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
24th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
25th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
26th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
27th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
28th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
29th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
30th	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706
31st	883	20507	10112	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706	16706

J. E. T. NICOLLS, Major-General, R.E.,  
Secy. to the Govt. of Bengal, P. W. Department.



Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 13th April 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.		Coach- ing.	Merchan- dise.		Total.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.					
Total traffic for the week ...	134,221	1,06,730 15 9	18,033 13 5	12,02,983 10	5,00,884 8 3	45,914 8 4	6,07,615 8 0	46,264½	93,216	139,480½		
Or per mile of railway ...	.....	153 11 8	14 1 10	.....	391 6 3	35 17 7	545 1 11	.....	.....	.....		
For previous 14 weeks of half-year	1,006,950½	29,28,745 12 9	288,408 7 4	2,01,72,768 30	75,03,846 7 5	687,832 11 10	1,04,32,502 4 2	643,605½	1,483,746½	2,129,412½		
Total for 15 weeks ...	2,131,171½	31,25,470 12 6	286,502 0 9	2,14,65,752 0	80,04,730 15 8	733,767 0 2	1,11,39,207 12 2	939,930	1,578,962½	2,208,892½		
COMPARISON.												
Total for corresponding week of previous year ...	123,099	1,72,897 9 1	15,848 13 11	13,51,435 30	5,63,680 5 6	51,670 13 11	7,36,577 14 7	44,436	105,120	140,556		
Per mile of railway, correspond- ing week of previous year ...	.....	135 1 8	12 7 8	.....	440 7 4	40 7 6	575 9 0	.....	.....	.....		
Total to corresponding date of previous year ...	2,140,095½	34,00,288 16 9	311,693 3 2	1,95,53,733 30	81,05,957 14 11	751,296 2 10	1,15,08,246 14 8	719,222	1,510,064	2,229,286		

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 13th April 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		Rs. A. P.				
Total traffic for the week ...	7,308½	19,534 7 6	1,790 13 2	2,26,855 20	67,005 5 0	6,230 3 1		87,409 12 6	4,655½	16,194	20,849½	
Or per mile of railway ...	...	87 4 11	8 0 1	...	303 12 1	27 18 10		391 1 0	...	...	...	
For previous 14 weeks of half-year	106,415½	3,09,718 3 6	29,301 18 5	20,13,245 10	5,81,577 12 3	53,311 5 11		8,90,325 15 9	68,608½	128,400½	197,008½	
Total for 15 weeks	113,724	3,29,282 11 0	30,692 11 7	22,40,100 30	6,49,543 1 3	59,541 9 0		9,77,825 12 3	73,263½	144,694½	217,957½	
COMPARISON.												
Total for corresponding week of previous year ...	5,778½	18,461 13 0	1,632 6 8	2,81,025 10	66,744 11 0	6,118 5 3		85,206 8 0	4,443	16,252	20,695	
Per mile of railway, correspond- ing week of previous year ...	...	82 8 2	7 11 3	...	298 4 10	27 6 11		380 13 0	...	...	...	
Total to corresponding date of previous year ...	117,517	4,41,437 5 3	40,465 1 9	30,81,399 20	9,27,824 12 0	85,050 12 0		13,69,202 1 3	77,075	236,709	314,384	

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 13th April 1878 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.				
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.		
Total traffic for the week ... ..	34,382½	21,803 15 3	2,279 4 0	2,00,760 3	47,740 9 7	4,376 4 4	6,035 8 4		
Or per mile of railway ... ..	217	157 1 11	14 8 1	1,306 23	301 10 10	27 13 1	42 1 3		
For previous 14 weeks of half-year ... ..	595,730½	4,89,798 2 7	44,803 14 10	27,10,822 10	6,59,342 9 9	60,439 14 9	165,243 9 7		
Total for 15 weeks ...	630,113	5,13,632 1 10	47,082 18 10	29,17,582 13	7,07,983 3 4	64,815 19 1	1,11,898 17 11		
COMPARISON.									
Total for corresponding week of previous year	29,982	17,827 12 6	1,034 4 3	2,92,643 22	42,006 6 6	3,041 10 5	5,575 14 8		
Per mile of railway, corresponding week of pre- vious year ... ..	189	112 10 6	10 6 6	1,849 10	271 11 5	24 18 2	35 4 8		
Total to corresponding date of previous year...	557,583	3,97,637 3 7	39,450 1 6	30,17,927 30	5,58,884 2 5	51,231 1 0	87,681 2 6		

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1st JANUARY		Total increase in 1878.	Total decrease in 1878.
			24th February 1877.	23rd February 1878.	To 24th February 1877.	To 23rd February 1878.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
23rd February ...	Northern Bengal ...	172	...	12,855 0 0	...	52,431 0 0	52,431 0 0	...
16th March ...	Tirhoot ...	79	9,729 0 0	16,062 0 0	24,140 0 0	72,536 0 0	48,397 0 0	...
2nd " ...	Calcutta and South-Eastern ...	28	2,156 0 0	2,554 0 0	16,178 0 0	19,721 0 0	3,543 0 0	...
2nd " ...	Nulhatti ...	27½	1,965 0 0	2,713 0 0	14,309 0 0	15,988 0 0	1,589 0 0	...
	Total ...		13,850 0 0	34,183 0 0	54,627 0 0	1,60,589 0 0	1,05,960 0 0	...

[REGISTERED NO. 29.]

No. 18 of 1878.



SUPPLEMENT TO  
**The Calcutta Gazette.**

WEDNESDAY. MAY 1, 1878.

OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 27th April 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BUREDWAN DIVN.	1 Burdwan, Apl. 27 '78	Nil	Weather—hot. Cotton, <i>til</i> , and sugarcane are doing well. Ploughing for the early rice crop is going on. Cholera and small-pox have abated.
	Culna	0.21	
	Cutwa	0.42	
	Jehanabad	0.32	
	2 Bankoora, „ 27 „	Nil	Weather—fine; sky cloudy and occasionally threatening; not overwarm for the season. Sugarcane is being planted. <i>Boro</i> rice is being reaped. Cotton still promises well.
PRESIDENCY DIVN.	3 Beerbhoom, „ 27 „	0.43	Weather—cloudy and slightly stormy; remarkably cool for the time of year. It is all that can be desired for agricultural purposes. Ploughing and preparation of land are going on vigorously.
	4 Midnapore, „ 27 „	0.90	Weather—warm and windy, and sky occasionally cloudy. The rain was not general. It has done much good towards ploughing where it has fallen.
	5 Hooghly, „ 27 „	0.04	Weather—warm; cloudy at intervals; strong wind with thunder and lightning on the evening of the 23rd. The <i>aus</i> sowings are going on in some places. The vegetables on the ground are doing well. The mango crop of the district will be a failure. Cholera and small-pox in a sporadic form are reported from all the stations. Cattle disease has broken out in thana Bansberiah.
	Howrah, „ 29* „	0.43	Weather—very hot. The rain has not been sufficient yet in Moheshrekha, where cultivation is not so forward as elsewhere.
	<i>Central Districts</i>		
PRESIDENCY DIVN.	6 24-Pergunnahs Apl. 27 '78	0.25	Weather—hot during the day; the nights are cool. The rains have done much good. The land is being prepared for sowing the early rice crop. A few cases of cholera are reported from all sub-divisions, except Barrackpore and Dum-Dum. Health is otherwise good.
	7 Nuddea, „ 27 „	1.66	Occasional storms with rain. There are no crops worth mentioning on the ground. The weather has been most favorable for agricultural operations. The price of coarse rice is from Rs. 3 to Rs. 3-10 per maund. There is a good deal of cholera in parts of Chooadanga and in some other portions of the district.
	8 Jessore, „ 27 „	2.42	Weather—cool for the season. The prospects of the crops have much improved by the recent rain. Sporadic cases of cholera are heard of, and cattle disease still exists at Khoolna.
	Jhenida	1.72	
	Magoora	1.32	
	Narail	2.77	
RAJSHAHY AND COOCH BEHAR DIVN.	9 Khoolna	1.27	
	10 Moorshedabad „ 27 „	0.07	There has been more rain in the interior than at head-quarters. Rain is still greatly needed, and unless it falls shortly the prospects will be gloomy. The price of rice is very high, but not higher than last week. Cholera is spreading.
	11 Dinagepore, „ 26 „	0.82	Weather—cool and fair. The rain has improved the prospects of the rice crop.
	12 Rajshahye, „ 27 „	1.59	There has been some rain with hail-stones in parts of the district during the week. Fair rain fell in the Benaulah town on the 25th and on the evening of the 26th. The want of more rain for the crops is much felt, especially for the sowing of rice. All the standing crops, such as <i>ghan</i> , <i>til</i> , and jute, still require rain. Much damage has been done to the crops in the jurisdiction of Bagmara station, owing to a very heavy hailstorm. The recent showers will assist cultivation. Cholera is reported from some of the stations.
	13 Rungpore, „ 26 „	2.32	There was another hailstorm on the afternoon of the 22nd and a thunderstorm on the 25th. The state and prospects of the crops continue to be favorable, and the recent rain has been very beneficial as regards farming operations. The price of food-grain continues to be the same as that prevailing last week. Cholera has nearly altogether disappeared, and the public health is good.
	Gaibanda	0.75	
	Bagdogra	1.45	
	Kurigram	2.07	
RAJSHAHY AND COOCH BEHAR DIVN.	14 Bogra, „ 27 „	0.99	Weather—cool for the time of year. There was a rather severe hailstorm on the evening of the 22nd instant. The hail-stones were very large and have done some injury to the mango and sesamum crops. There have been several thunderstorms with rain during the week. More rain is still required for ploughing and for sowing the early rice. Cholera is on the decrease.
	15 Pabna, „ 27 „	1.03	Moderate heat. <i>Boro ghan</i> is being reaped. The crop appears to be fair. The young <i>jali</i> paddy is growing well and promises a fair outturn. The planting of sugarcane is completed. Its prospects cannot now be ascertained. Cholera still prevails. Small-pox has nearly disappeared.

\* Report of 29th shows rainfall during the week ending 27th.

No	District, and date of return.	Rainfall at Sudder Station in inches	Character of the weather, state and prospects of the crops, and state of health at date.																			
BENGAL. —(Continued.)																						
Central Districts.—(Contd.)																						
RAJSHAHY & COOCH BEHAR DIVN.—contd.	15 Darjeeling, Apl. 26 '78	2.70	A good deal of rain for this time of the year. The weather has also been very squally during the week. The <i>bhadoi</i> rice is being sown in the Terai. The Indian-corn and the millets are progressing pretty favorably in the Hills.																			
	16 Julpigoree, „ 27 „	1.03	Weather,—more or less cloudy throughout the week, with storms of wind and rain. Rain has been reported almost every day at Buxa sub-division. The <i>bhadoi dhan</i> crop promises well all over the district. It has been greatly benefitted by the rain which fell during the week. Cholera is reported prevalent in some of the Mech villages in the Dooars; also small-pox in Alipore thana. A few cases of cholera are also reported from the head-quarters sub-divisional thanas and a few in and near the station.																			
	Cooch Behar, „ 25 „	0.97	Weather.—cool and often cloudy. A very heavy storm passed over the north of the State on the night of the 22nd instant. The prospects of <i>bitri dhan</i> are good. The intervals of fine weather allow of the crop being properly weeded. Other crops are doing well. Rice is still very dear and shows no signs of falling. Tobacco sells at low prices. Public health is generally good, but a few cases of cholera have occurred.																			
	Dinhutta „ „	0.7																				
	Mathabhanga „ „	1.23																				
Meckligunge „ „	2.50																					
Eastern Districts.																						
DACCA DIVN.	17 Dacca, Apl. 27 '78	0.8	Weather—warmer than previous week and seasonable. The state and prospects of the crops are very favorable. All crops on the ground look well, and the week has been favorable for sowing.																			
	Moonsheegunge „ „	0.28																				
	Manickgunge „ „	1.45																				
	18 Furreedpore, „ 27 „	1.91	Weather—cool. More rain is required in Goalundo sub-division, but the general prospects of the crops are good. Prices are still very high. No serious outbreak of sickness is reported.																			
	Goalundo „ „	0.27																				
	Madaripore „ „	1.03																				
	19 Backergunge, „ 25 „	1.29	Weather—hot and close. Rain had not fallen in any quantity during the week, but there has been heavy rain since. The ploughings are going on fairly well. There has been cholera in many parts of the district, particularly in Motbaria and Mendigunge; otherwise the health is good.																			
	20 Mymensingh, „ 26 „	2.63	Weather—unsettled. Thunderstorms at intervals with heavy rain and sometimes hail. The state and prospects of the crops are favorable. The rainfall has done much good.																			
	21 Tipperah, „ 26 „	0.80	Weather—fair generally, with occasional storms. <i>Boro dhan</i> is nearly all reaped. The crop is a fair one. The sowings of <i>aus dhan</i> are nearly completed.																			
	Sub-division „ „	1.05																				
CHITTAGONG DIVN.	22 Chittagong, „ 25 „	Few drops	Weather—fine and hot. No change in the state of the crops since last report.																			
	23 Noakholly, „ 25 „	1.74	Weather—seasonable. A sharp storm, accompanied by heavy rain, passed over the station on the evening of the 23rd. The cultivation of the early rice crop continues. Public health is good.																			
	24 Chittagong Hill Tracts, „ 23 „	0.8	Weather—very hot throughout the week. The burning of jooms is over. The joomias have begun to sow their early seedlings in their jooms. Rain is badly wanted for the <i>aus</i> paddy crop.																			
	Hill Tipperah, „ 24 „	0.41	There was a thunderstorm with rain on the night of the 22nd. The temperature has risen considerably. <i>Boro</i> rice is being cut. In some parts of the district the sowing of the <i>aus</i> crop has begun.																			
BEHAR																						
PATNA DIVN.	25 Patna, Apl. 27 '78	0.05	Weather—cool for the season of the year. Easterly winds prevailing. The <i>rubbee</i> harvest has now been gathered in and most of it thrashed out. The outturn is on the whole by no means favorable. Frost, blight, caterpillars and hot westerly winds all combined to mar the favorable prospects of the early part of the year. Extensive exportations have kept prices from falling, and unless the rains be favorable, the outlook for next year will be gloomy indeed. The estimated outturn of the <i>rubbee</i> harvest in each sub-division is given below:—																			
			<table><tr><td></td><td>Cereals</td><td>Pulses.</td><td>Other crops.</td></tr><tr><td>Barrh „ „ „ „</td><td>8</td><td>6</td><td>7</td></tr><tr><td>Behar „ „ „ „</td><td>10</td><td>8</td><td>9</td></tr><tr><td>Sudder and Dinapore „ „</td><td>6</td><td>2</td><td>6</td></tr><tr><td>District average „ „</td><td>8</td><td>5</td><td>7</td></tr></table>		Cereals	Pulses.	Other crops.	Barrh „ „ „ „	8	6	7	Behar „ „ „ „	10	8	9	Sudder and Dinapore „ „	6	2	6	District average „ „	8	5
	Cereals	Pulses.	Other crops.																			
Barrh „ „ „ „	8	6	7																			
Behar „ „ „ „	10	8	9																			
Sudder and Dinapore „ „	6	2	6																			
District average „ „	8	5	7																			
In Barrh and Behar there is no cause for anxiety. In the Sudder and Dinapore sub-divisions the canal distributary and Gya railway work well, with such road cess works (chiefly turfing) as are to be done in the rains, provide sufficient relief to the laboring classes.																						
PATNA DIVN.	26 Gya, „ 27 „	0.63	A severe and sudden storm of wind and rain lasted for about half an hour on the 24th; cloudy and muggy since. Maximum thermometer in the shade 108.3°. Last year's sugarcane has all been cut. The young crop in Jehanabad is reported to require rain. This, <i>cheena</i> , and cotton are the only crops now on the ground. The <i>rubbee</i> outturn is estimated at six annas in Aurungabad.																			

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Contd.)			
PATNA.—(Continued.)	27 Shahabad. Apl. 27 '78	Nil	Weather—cloudy and hot. Nothing new to report about the state and prospects of the crops.
	28 Darbhanga. „ 27 „	0.11	There have been thunderstorms during the week which have cooled the air; but little rain, however, has fallen. The prices of food-grains, owing to the great exportation that has taken place, have reached a very high figure; but the bazars are well supplied. Public health is fairly good.
	29 Meuzerpore, „ 27 „	0.11	Weather—cool and cloudy. The <i>cheena</i> and indigo crops have been improved by the late rain. The lands are being prepared for the <i>bhadoi</i> sowings. Public health is good.
	30 Saran, „ 27 „	Nil	Weather—hot and cloudy. Mornings are cool. East wind prevailing. The rain which fell last week has enabled the ryots to plough their lands to some extent for the <i>bhadoi</i> crops, but the lands are yet hard. The cold-weather crops have now been all reaped and gathered, and there is nothing on the ground, except cotton, <i>cheena</i> , sugarcane, <i>moong</i> , and indigo. Rain is much wanted. Public health is good.
BHAGULPORE DIVISION.	31 Champaran „ „	.....	Return not received
	32 Monghyr, „ 27 „	Nil	Weather—hot, and storms threatening. There are only a Melon crop and a little millet on the ground. Prices remain very high owing to exportation, but some importations of rice have been made.
	33 Bhagulpore „ 27 „	0.09	Weather—stormy, with easterly winds. The lands are being prepared for the <i>bhadoi</i> crops.
	34 Purneah, Arrareah „ „	0.70 2.46	Weather—uncertain. There were symptoms of rain throughout the district, but the fall has been partial only. The <i>rubber</i> crop has been gathered in. The estimates of outturn vary from the full sixteen annas to four annas. The crop has been a fair average one. The <i>bhadoi</i> and <i>aghani</i> ploughing and sowing are progressing. Cholera is on the decrease.
	35 Maldah, „ 27 „	Nil	Nights and mornings are cool. Clouds with strong wind almost every evening. Rain is expected soon. <i>Boro dhan</i> is being reaped and the outturn is satisfactory. No other crops on the ground. So far, the mango crop promises well. Tillage for rice crop is in progress. No change to report in prices. Health is good.
	36 Sonthal Pergas, „ 28 „	0.20	The recent rain has made the weather cooler. The state and prospects of the crops are unchanged. Small-pox has left Deoghur.
ORISSA.			
ORISSA DIVN.	37 Cuttack Apl. 27 '78	Nil	Weather—fine and very hot. The <i>dalu</i> crop is being harvested. Rain is much wanted, especially in Jajpore and Kendrapara, and at the latter place it is reported that all cultivation is arrested for want of rain. As the time of sowing the early rice crop is close at hand this is causing much anxiety. Prices continue high. There is a great deal of sporadic cholera.
	38 Pooree, „ 26 „	Nil	Weather—hot. Strong sea breeze. The early <i>dalu</i> rice is being harvested. The late <i>dalu</i> rice is not progressing well for want of rain. Ploughing for the next crop has stopped. Water in the tanks and wells is failing. Common rice sells at 11½ to 14½ seers for a rupee. Exportation of rice appears to have decreased. Cholera is reported from some parts of the district.
	39 Balasore, „ 26 „	1.18	The rainfall of the past two weeks has been most beneficial. Ploughing and sowing are proceeding briskly. Cholera has almost disappeared.
CHOTA NAGPORE.			
South-West Frontier Agency.			
	40 Hazareebagh, Apl. 26 '78	0.04	Weather—unsettled, variable and unseasonable. The <i>mohwa</i> crop will not exceed ten annas. No improvement in prospects. The lands are being prepared for the <i>bhadoi</i> crops. A few cases of sporadic cholera have been reported.
	41 Lohardugga, „ 27 „	Traces of rain.	Weather—settled and comparatively cool. No crops on the ground. The outturn of <i>mohwa</i> is not now so good as it promised to be, the crop having been damaged by unfavorable weather. Rice all over the district is excessively dear. Small-pox is reported in Palamu sub-division.
	42 Singhbhum, „ 26 „	0.06	Weather—very hot during the first half of the week, afterwards cloudy and stormy; cloudy and very threatening on the 26th. Everything is progressing satisfactorily. A few cases of cholera have been reported from the mofussil.
	43 Manbhum, „ 27 „	Nil	Weather—seasonable. Nothing new to report about the crops. There are two reports from the interior of distress. Local enquiry is being made and relief works will be started if need be. There is an uneasy feeling that owing to actual insufficiency of grain prices will rise so high in the month preceding the <i>gora dhan</i> harvest that distress on a pretty large scale will be felt. The Deputy Commissioner hopes, in communication with emigration agents, to arrange for families of distressed persons desirous of emigrating finding facility for doing so.

Published for general information.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 7th to 13th April 1878.	Rain from 14th to 20th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.	Burdwan ...	2.21	1.19	4.81	20th April		
		Cutwa ...	2.70	Nil	4.16	ditto		
		Culina ...	4.10	0.00	6.88	ditto		
		Bood-Bood ...	1.69	0.67	4.31	ditto		
		Rauegunge ...	1.76	Nil	2.53	ditto		
		Jehanabad ...	1.43	0.14	4.88	ditto		
	Bankoora ...	Bankoora ...	1.85	0.74	7.81	ditto		
	Beerbhoom ...	Sooree ...	1.30	0.04	2.70	ditto		
		Hetampore ...	1.41	0.06	1.78	ditto		
		Roypore ...	1.72	0.09	2.00	ditto		
		Mulnapore ...	0.44	Nil	2.63	ditto		
	Midnapore ...	Tumlook ...	1.11	Not recd.	3.61	13th April		
		Ghattal ...	1.32	1.30	6.62	20th April		
		Contai... { Dy. Collr.'s Office...	1.23	Nil	2.63	ditto		
			Exe. Engr.'s Office	1.08	ditto	2.72	ditto	Not received 31st Mar. to 6th April.
	Hooghly ...	Hooghly ...	2.01	0.60	4.42	ditto		
		Serampore ...	2.10	0.41	5.17	ditto		
	Howrah ...	Howrah ...	1.67	1.35	5.46	ditto		
		Maheshreka ...	2.50	Nil	6.38	ditto		
	PRESIDENT.	CENTRAL DISTRICTS.	Saugor Island ...	0.10	Nil	2.80	20th April	
Alipore ... { Observatory ...			1.66	1.28	4.26	ditto		
			Dispensary ...	2.09	0.62	7.21	ditto	
			Jail ...	2.03	0.71	7.14	ditto	
			Buaseerhat ...	0.95	0.30	3.47	ditto	
24-Pergunnahs		Baraset ...	2.51	0.20	4.78	ditto		
		Diamond Harbour ...	2.02	0.33	5.55	ditto		
		Barripore ...	Not recd.	Nil	3.10	ditto	Not received 7th to 13th April.	
		Satkhira ...	2.90	0.05	5.90	ditto		
		Barackpore ...	1.70	0.50	4.85	ditto		
		Dum-Dum ...	2.55	0.76	5.78	ditto		
		Kishnaghur ...	1.95	0.44	4.91	ditto		
		Pongong ...	2.35	0.90	6.38	ditto		
		Meherpore ...	1.95	Nil	3.31	ditto		
		Chooadanga ...	2.70	ditto	6.67	ditto		
Nuddea		Kooshtea ...	2.78	0.25	6.60	ditto		
		Ranaghat ...	3.28	0.72	9.26	ditto		
		Jessore ...	1.71	0.48	6.48	ditto		
		Narail ...	3.13	0.23	4.81	ditto		
		Khoolna ...	2.12	0.20	4.68	ditto		
	Jhenidah ...	3.08	0.28	9.13	ditto			
	Bagirhat ...	0.50	Nil	2.80	ditto			
	Magoorah ...	3.22	0.11	7.50	ditto			
	Berhampore ...	1.30	Nil	2.31	ditto			
	Itampore Haut ...	2.98	ditto	4.15	ditto			
Moorshedabad	Lalibagh ...	1.97	ditto	2.68	ditto			
	Jungypore ...	0.16	0.08	2.09	ditto			
	Azimungo ...	1.7	Nil	2.77	ditto			
	Lalgolla ...	0.61	ditto	1.52	ditto			
	Kandee ...	3.39	ditto	4.43	ditto			
	Dinagopore ...	0.26	0.10	3.31	ditto			
	Raigunge ...	0.27	0.10	2.06	ditto			
	Maldah ...	0.10	0.87	3.85	ditto			
	Chanchal ...	1.14	0.07	3.22	ditto			
	Rajahmudy ...	Bauleah ...	0.10	Nil	0.89	ditto		
RAJSHAHY.	Nattore ...	0.17	ditto	1.29	ditto			
	Rungpore ...	0.79	0.21	1.94	ditto			
	Bhubanigungo ...	1.05	Nil	3.24	ditto			
	Kurigram ...	2.65	0.07	6.72	ditto			
	Bagdogra ...	0.90	0.04	3.34	ditto			
	Bogra	Bogra ...	Nil	0.16	2.61	ditto		
		Sherpore ...	0.31	0.85	3.76	ditto		
		Nowkhilla ...	0.04	0.16	2.60	ditto		
		Panchabibi ...	0.67	Nil	2.67	ditto	Not received 24th Mar. to 6th April.	
		Halulya ...	Not recd.	Not recd.	1.40	6th April		
COOCH BEHAR.	Pubna	Pubna ...	1.38	0.08	3.92	20th April		
		Serajungo ...	1.07	0.70	5.38	ditto		
	Darjeeling	Darjeeling... { Telegraph Office	1.84	0.10	5.74	ditto		
		Hospital ...	1.65	0.10	4.12	ditto		
	Julpigoree	Julpigoree ...	2.38	0.55	4.17	ditto		
		Boda ...	0.65	0.22	2.44	ditto		
		Buxa—Civil Surgeon's Office	2.32	0.85	6.87	ditto		
		Titalya ...	0.71	0.68	2.04	ditto		
	Cooch Behar Tribu-	Cooch Behar ...	2.56	Nil	4.53	ditto		
	itary States.							

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 7th to 13th April 1878.	Rain from 14th to 20th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.				
					Inches.	Up to date.					
BENGAL—continued.											
Dacca.	Dacca	Dacca... { Telegraph Office... Hospital ...	1.11 1.06	00.2 Nil	5.03 5.40	20th April ditto	Not received 31st March to 6th April.				
		Moonsheegunge ... Manickgunge ...	1.45 0.42	ditto ditto	5.51 3.53	ditto ditto					
		Furzedpore ... Goulundo ... Madaripore ...	3.90 0.70 4.11	ditto 0.06 Nil	9.17 3.89 10.11	ditto ditto ditto					
	Backergunge	Burrisal ... Perozepore ... Patoonkhally ... Bhola ...	2.07 0.39 0.93 0.80	ditto ditto ditto ditto	3.11 2.91 2.16 2.75	ditto ditto ditto ditto					
		Mymensingh	Mymensingh ... Jamalporo ... Atia ... Kishoregunge ...	1.50 0.94 0.93 0.63	0.08 0.10 Nil 0.43	6.42 3.31 3.27 7.22		ditto ditto ditto ditto			
			Chittagong	Chittagong { Telegraph Office Jail ... Cox's Bazar ...	2.20 2.41 2.16	Nil ditto ditto		4.50 5.20 4.52	ditto ditto ditto		
	Noakholly			Noakholly ... Fenny ...	0.60 2.30	ditto ditto		4.86 3.04	ditto ditto		
		Tipperah		Comillah ... Brahmunbariah ...	4.02 2.03	ditto ditto		8.85 8.17	ditto ditto		
	Chittagong Tracts.		Hill { Rangamates Hill... Ruma ...	4.72 6.36	ditto ditto	8.80 8.30		ditto ditto			
		Hill Tipperah	Hill Tipperah ...	1.81	0.11	8.94		ditto	From 17th February.		
	BEHAR.										
	PATNA.	Patna	Patna ... Behar ... Barh ... Dinapore ...	0.29 Nil ditto 0.17	0.16 Nil 0.16 0.00	1.76 1.44 1.44 2.27		ditto ditto ditto ditto	Not received 24th Feb. to 2nd Mar. Ditto 24th to 30th March.		
			Gya	Gya ... Nowadah ... Aurngabad ... Jehanabad ...	Nil ditto 0.23 0.05	0.02 Nil 0.40 Nil		1.51 2.31 2.15 2.41		ditto ditto ditto ditto	
				Shahabad	Arrah ... Basseeram ... Buxar ... Blubooah ...	0.40 0.13 0.60 Nil		0.10 0.25 0.08 0.01		2.48 1.51 3.38 2.81	ditto ditto ditto ditto
					Muzafferpore	Muzafferpore ... Hajepore ... Sectanurhee ...		0.28 0.23 2.70		0.50 0.08 0.10	2.34 1.48 3.98	ditto ditto ditto
Durbhanga		Durbhanga ... Mudhoobunnee ... Tajpore ...				0.25 Not recd. Nil	Nil ditto ditto	1.30 0.89 0.41		ditto ditto ditto	
		Saiun	Chupra ... Sewan ...			0.25 0.05	0.05 0.73	1.63 2.83		ditto ditto	
Champaran			Motiharee ... Bettiah ... Segowlee ...	0.42 0.36 0.85	Not recd. ditto ditto	1.53 1.64 2.40	13th April ditto ditto				
		Monghyr	Monghyr ... Begoussera ... Jamooce ...	0.42 0.48 0.12	ditto ditto ditto	1.35 2.51 1.67	ditto ditto ditto				
Bhagulpore			Bhagulpore ... Soopool ... Muddehpooora ... Banka ... Soubursa ...	1.06 0.10 0.10 0.07 0.20	0.05 Nil ditto 0.14 Nil	3.37 0.10 1.00 2.64 1.20	20th April ditto ditto ditto ditto				
			Purneah	Purneah ... Kisseungunge ... Arrareah ...	1.33 1.06 3.20	0.33 0.78 0.40	2.79 2.64 4.10	ditto ditto ditto			
		Sonthal Pergunnahs		Nya Doomka ... Rajmehal ... Deoghur ... Godda ...	Not recd. ditto ditto ditto	0.10 Not recd. 0.30 0.10	0.72 1.05 1.63 1.22	ditto ... 6th April 20th April ditto			
							Ditto ditto ditto.				
			Not received 24th to 30th Mar. and 7th to 13th April. Not received 7th to 13th April.								

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 7th to 13th April 1878.	Rain from 14th to 20th April 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.		
			Inches.	Inches.	Inches.	Up to date.			
ORISSA.	Cuttack	Cuttack... { Telegraph Office	0.30	0.40	1.10	20th April	Not received 7th to 13th April.		
		Cuttack... { Hospital	0.28	0.22	1.88	ditto			
		Jajpore	0.20	0.40	0.80	ditto			
		Kendraparah	0.10	0.30	1.70	ditto			
		Jagatsingapore	0.20	Nil	0.70	ditto			
		False Point	0.10	0.40	1.10	ditto			
	Pooree	Pooree	0.08	Nil	0.18	ditto			
		Khurdah	Not recd.	ditto	0.20	ditto			
	Balasore	Balasore...	3.69	0.04	5.83	ditto			
		Bhadrack	2.29	0.31	3.12	ditto			
		Jellasore	0.30	0.15	5.35	ditto			
		Sorah	1.20	Nil	4.38	ditto			
		Chaudbally	1.11	0.21	3.67	ditto			
	Cuttack Tributary Mehals.	Sumbalpole	0.09	Not recd.	6.81	13th April			
	CHOTA NAGPORE.								
	SOUTH-WESTERN FRONTIER AGENCY.								
	Hazareebagh	Hazareebagh... { Jail	0.36	0.68	2.68	20th April			
		Hazareebagh... { Dispensary	0.43	0.72	2.46	ditto			
		Pachamba	0.70	0.22	1.73	ditto			
	Lohardugga	Ranchee	1.27	1.76	6.07	ditto			
		Palamow	0.57	0.50	2.04	ditto			
	Singbhoom	Chyebassa	1.22	0.90	5.49	ditto			
	Manbhoom	Purulia	1.03	0.97	7.67	ditto			
		Govindipore	1.08	Nil	2.67	ditto			
ASSAM & ADJA-CENT HILLS.									
Sylhet	Sylhet	5.94	0.17	21.69	ditto				
Sibsagar	Sibsagar	1.31	Not recd.	9.10	13th April				
	Golaghat	6.32	ditto	16.92	ditto				
	Jorhat	0.94	ditto	7.80	ditto				
	Akyab	0.20	Nil	0.80	20th April				
Rajpootana	Alwar	Nil	ditto	1.20	ditto				
	Jaipur	0.31	ditto	1.60	ditto				
	Saumbhar	0.30	ditto	0.40	ditto				

CALCUTTA,  
The 27th April 1878.

ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.



## Meteorological Telegraphic Report for the period 21st to 27th April 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	April 21st	10	29.863	29.884	89.7	76.5	65	S W	11.3	.....	.....	b
		18	29.736	29.757	90.5	76.6	61	S by W	14.2	.....	.....	b
	22nd	10	29.825	29.846	89.0	78.7	62	S W	17.5	.....	.....	b
		16	29.711	29.732	92.8	81.5	60	S S W	14.0	.....	.....	b
	23d	10	29.849	29.870	89.0	80.1	66	S W by S	11.8	.....	FK	b
		18	29.734	29.755	91.5	80.0	59	S by W	14.5	.....	C, CS	b
	24th	10	29.905	29.926	90.0	75.0	47	S S W	6.3	0.03	.....	b
		16	29.793	29.814	93.6	77.2	45	S W by W	12.2	.....	.....	b
	25th	10	29.921	29.942	90.0	80.5	65	S S W	0.0	.....	C, FK	c
		18	29.832	29.854	83.3	75.4	68	E S E	11.0	0.18	P, FK	c, t
	26th	10	29.960	29.988	84.1	78.0	70	E by S	3.3	.....	K, FK	c
		16	29.709	29.720	92.0	78.0	54	N E by E	4.7	.....	C, CS	c
	27th	10	29.913	29.934	90.5	76.1	49	S W by W	8.0	.....	K, CS	c
		18	29.757	29.778	94.6	73.3	33	N E by N	4.7	.....	CS	c
SAVON ISLAND.	April 21st	10	29.875	29.891	88	80	69	S S W	21.3	.....	FK	b, m
		18	29.757	29.763	90	79	60	S W	18.0	.....	.....	b, m
	22nd	10	29.839	29.845	88	81	73	S W	20.1	.....	.....	b, m
		16	29.732	29.738	89	82	73	S	19.0	.....	.....	b, m
	23d	10	29.855	29.861	88	82	70	S S W	20.0	.....	FK	b, m
		16	29.769	29.774	88	82	70	S	21.8	.....	.....	b, m
	24th	10	29.911	29.917	87	78	65	S	16.3	.....	.....	b
		16	29.827	29.833	88	81	73	S S E	15.6	.....	FK	b, m
	25th	10	29.928	29.934	87	81	70	S S W	21.7	.....	CS	b, m
		16	29.841	29.847	88	81	73	S	15.2	.....	K	b, m
	26th	10	29.968	29.974	89	79	63	W N W	12.5	.....	K	b, m
		16	29.807	29.813	93	80	57	S W	8.0	.....	CS	b, m
	27th	10	29.923	29.929	91	82	67	S W	13.8	.....	C	b, m
		16	29.784	29.790	91	82	67	S S W	13.8	.....	CK	b, m
CHITTAGONG.	April 21st	10	29.824	29.817	90	80	63	S W	5.8	.....	K, FK	m
	22nd	10	29.826	29.817	90	80	63	S	6.7	.....	K, FK	m
	23d	10	29.846	29.837	89	79	63	S	8.5	.....	K, FK	m
	24th	10	29.876	29.867	90	78	56	E S E	9.4	.....	C, CS, CK	o
	25th	10	Not received.	Not received.	90	79	60	W	5.0	.....	C	m
	26th	10	29.854	29.849	92	77	48	E	4.9	.....	C	m
	27th	10	29.910	29.931	92	80	57	W S W	5.1	.....	C	m
	April 21st	10	Not received.	Not received.	90	80	63	W	4.5	.....	C	b
	22nd	10	29.833	29.854	92	78	51	W	3.7	.....	K	b
	23d	10	29.863	29.884	91	80	60	W	4.5	.....	K	b
	24th	10	29.860	29.881	91	80	60	W	4.5	.....	K	b
	25th	10	29.910	29.961	91	78	54	W N W	6.2	.....	.....	b
	26th	10	29.910	29.961	90	80	63	S	7.2	.....	C	b
	27th	10	29.940	29.951	87	80	72	N W	6.6	.....	.....	b
DIAMOND ISLAND.	April 21st	10	29.881	29.922	87	80	72	N W	6.7	.....	.....	b
	22nd	10	29.910	29.951	87	79	69	N W	6.7	.....	.....	b
	23d	10	29.944	29.985	87	79	60	W N W	6.1	.....	.....	b
	24th	10	29.954	29.995	87	79	69	N W	7.3	.....	.....	b
	25th	10	29.958	29.999	87	79	69	N W	7.9	.....	.....	b
	26th	10	29.918	29.959	87	80	72	N W	9.3	.....	.....	b
	27th	10	29.944	29.975	89	82	70	N W	8.0	.....	.....	b
	April 21st	10	29.794	29.875	92	77	48	S S W	8.8	.....	.....	b
	22nd	10	29.772	29.851	94	77	41	W S W	8.7	.....	C	b
	23d	10	29.792	29.871	93	78	40	S	8.1	.....	C	b
	24th	10	29.857	29.938	92	77	48	S	7.3	.....	CK	c
	25th	10	29.867	29.948	92	77	48	W	4.7	.....	.....	b
	26th	10	29.887	29.968	91	71	34	N W	4.3	.....	C	c
	27th	10	29.864	29.944	93	77	46	S	2.0	.....	C	c
VIZAGAPATAM. PAIR POINT.	April 21st	10	29.876	29.891	91	77	51	S S W	9.6	.....	.....	b
	22nd	10	29.844	29.859	91	79	57	S W	11.3	.....	.....	b
	23rd	10	29.874	29.889	90	80	63	W S W	11.8	.....	.....	b
	24th	10	29.936	29.951	87	79	69	S	12.4	0.30	C, CK	c
	25th	10	29.929	29.944	91	78	54	S	6.8	.....	CK	b
	26th	10	29.959	29.974	90	73	41	N W	6.8	.....	.....	b
	27th	10	29.936	29.951	94	78	47	Calm.	5.2	.....	C, CS	c
	April 21st	10	29.909	29.910	88	77	59	S S W	2.8	.....	.....	b
	22nd	10	29.876	29.907	89	78	59	S by E	3.0	.....	.....	b
	23d	10	29.896	29.927	88	78	62	S S W	3.1	.....	.....	b
	24th	10	29.941	29.972	87	77	62	S E	2.9	.....	.....	b
	25th	10	29.929	29.960	87	76	58	S	2.3	.....	.....	b
	26th	10	29.909	29.940	88	79	66	S E	2.3	.....	.....	b
	27th	10	29.951	29.982	87	79	69	S E	2.2	.....	.....	b
MADRAS.	April 20th	10	29.956	29.978	89	77	50	S E by E	9	.....	.....	b
		16	29.848	29.850	89	73	44	S E by E	11	.....	.....	b
	21st	10	29.930	29.952	90	76	50	S by S	11	.....	.....	b
		16	29.862	29.824	90	79	60	S E by E	15	.....	.....	b
	22nd	10	29.901	29.923	91	77	51	S	9	.....	.....	b
		16	29.789	29.811	88	77	59	S E	17	.....	.....	b
	23rd	10	29.940	29.962	89	76	53	S E	12	.....	.....	b
		16	29.831	29.853	88	76	52	S E	14	.....	.....	b
	24th	10	29.943	29.965	81	77	51	S E by S	12	.....	.....	b
		16	29.829	29.851	89	78	50	S E by E	14	.....	.....	c
	25th	10	29.942	29.964	92	79	54	S E by E	14	.....	.....	c
		16	29.837	29.859	90	79	60	S E by E	15	.....	.....	c
	26th	10	29.868	29.900	91	80	60	S E by E	11	.....	.....	b, c
		16	29.847	29.869	91	81	63	E by S	11	.....	.....	c
COLOMBO.	April 10th	10	29.960	29.981	84	80	83	S S E	1.6	0.70	C	c
	20th	10	29.925	29.965	86	79	72	S W	1.4	.....	C	c
	21st	10	29.915	29.955	85	79	78	S	2.5	.....	C	c
	22nd	10	29.892	29.932	87	81	76	S by W	1.0	.....	C	c
	23rd	10	29.912	29.952	85	80	79	S	0.4	.....	.....	c
	24th	10	29.920	29.960	87	80	72	S	2.4	.....	C	c
	25th	10	29.920	29.960	88	79	68	S by W	2.6	.....	C	c
	26th	10	29.900	29.940	89	81	73	S E	2.4	.....	C	c
	27th	10	29.910	29.950	88	80	69	N N E	2.6	0.10	C	c

\* Velocity of wind in miles per hour.

CALCUTTA.  
The 27th April 1878.ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Government of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 21st to 27th April 1878.

Month.	Date	Maximum in sun.	Mean pressure, barometer at 32° Fah.	TEMPERATURE				HYGROMETRY.				WIND.		Miles recorded.	Rain	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1878.		°)	Inches	°	°	°	°	°	Inches	°	%				Inches	
April	21st	150.8	29.804	82.9	92.3	15.8	76.5	76.2	0.814	73.0	72	S S W and S by W.	227	Nil		Clear and W.
"	22nd	151.1	29.765	84.1	96.0	18.3	78.3	78.8	0.916	76.6	78	S W and S S W	295	"		Clear and W.
"	23rd	149.7	29.802	83.5	92.9	12.8	80.1	77.8	0.877	75.3	76	S S W and S	288	"		Cloudy, o, t, l, r, t and p.
"	24th	152.7	29.801	83.1	93.7	20.0	73.7	75.0	0.762	71.1	67	S and S by W	240	0.03		Morning cloudy, day and night clear and o.
"	25th	155.2	29.859	80.0	94.5	15.7	78.8	76.2	0.844	74.1	80	Till 2½ P.M. N by E through W and N W, till 3½ P.M. S through W and S W, till mid-night S E by E through S E.	194	0.18		Day partially cloudy, night clear, t and p.
"	26th	158.2	29.82	81.5	93.7	20.7	73.0	77.4	0.887	75.0	83	Till 10½ A.M. S through S E, till midnight E by S through W and N.	93	Nil		Day cloudy, night clear, and l
"	27th	159.9	29.841	84.1	93.0	22.1	76.9	75.5	0.770	71.4	60	Till 7 A.M. S through S E, till 3 P.M. N by W through W and N W, till mid-night S through W and S W.	115	"		Day partially cloudy, evening and night clear, and ec.

\* Fell at 9 P.M. of the 23rd.

The mean pressure of the seven days	...	Inches.
The average pressure of the corresponding period for 25 years, S. G. Office	...	29.835
The mean temperature of the seven days	...	°
The average temperature of the corresponding period for 25 years, S. G. Office	...	82.8
The extreme variation of temperature during the seven days	...	84.4
The maximum temperature during the seven days	...	26.0
	...	99.0
The mean relative humidity during the seven days	...	%
The average relative humidity of the corresponding period for 25 years, S. G. Office	...	75
	...	71

The total fall of rain from 21st to 27th April 1878

The average fall of the corresponding period for 25 years, S. G. Office

The total fall from 1st January to 27th April 1878

The average fall of the corresponding period for 25 years, S. G. Office

The mean pressure, temperature, &amp;c, are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers.

All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

w dew, o overcast, t thunder, l lightning reflection, l lightning, p passing temporary showers.

METEOROLOGICAL OFFICE, INDIA,  
The 29th April 1878.JOHN ELIOT,  
Offg. Meteorological Reporter to the Government of India.

### Reports of Fluctuation of Traffic on the East Indian Railway for five weeks ending 30th March 1878.

EAST INDIAN RAILWAY TRAFFIC MANAGER'S OFFICE, JAMALPORE, THE 16TH APRIL 1878.

*Remarks on Traffic of East Indian Railway for five weeks ending 30th March 1878.*

The approximate figures for the period are as follow :—

	Coaching.		Goods		Total.
	Nos.	Rs.	Mds.	Rs.	Rs.
1878	773,738	11,56,040	74,08,502	27,05,302	38,71,342
1877	760,770	10,85,046	67,91,062	28,11,066	38,96,142
Increase	12,968	80,994	6,17,440	1,05,794	24,800
Decrease					

In merchandise traffic, it will be seen that the *weight carried* has increased over 9 per cent., while the earning has fallen nearly 4 per cent.; but as the period compared with was very exceptional, being nearly *seven lakhs of rupees* above the corresponding five weeks of 1876, this slight falling off need not be taken seriously.

The main changes are in—

Increases.				
Coal.	Iron.	Saltpetre	Timber	
Hides,	Piece-goods and Twist.	Seeds.	Tobacco.	
Decreases.				
Commissariat beer and other Government stores,	Hotel-nuts, Cotton,	Gunny, Jaggree,	Opium, Sugar,	

while "grain" must be treated separately—

Increases.				
Coal—Upward		Mds.	75,159	Rs. 33,685
Downward		"	5,87,933	" 74,063
Total			6,63,092	1,07,748

The increase in upward coal has mainly been in the lead of coal to Gazeabad for the Sindh, Punjab, and Delhi and Punjab Northern State Railway.

In downward coal the increase is very large, equal to over 40 per cent., the weight delivered daily in this direction having risen from something under 1,500 tons to about 2,100 tons.

Hides	Mds.	44,622	Rs.	47,526
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This is also a very large increase, and the traffic has kept up much better than I expected it would when I wrote my last report.

Large shipments have continued, and stocks quite unsuspensed have come into the market.

Iron	Mds.	16,266	Rs.	16,458
------	------	--------	-----	--------

This is an increase in the ordinary trade from Howrah to the manufacturing stations up-country.

Piece-goods	Mds.	19,258	Rs.	33,824
Cotton twist	"	2,291	"	1,380

A slight recovery after two bad months.

Saltpetre	"	23,010	"	3,492
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It will be seen from the table that we carried 2800 tons of saltpetre in March, whereas only 971 tons were shipped from the port of Calcutta in that time. It is pretty evident therefore that we are getting all the freight that this commodity can give us.

Seeds	Mds.	1,58,305	Rs.	16,774
-------	------	----------	-----	--------

A very considerable increase, although the seed traffic had not set in full in March.

Decreases.				
Commissariat beer	Mds.	16,874	Rs.	22,851
Commissariat stores	"	9,761	"	36,874
Total		26,635		59,725

It will be seen that in these two items alone there is a deficit equivalent to more than half of the deficiency in the month's traffic as compared with last year.

Cotton	Mds.	88,974	Rs.	1,62,767
--------	------	--------	-----	----------

The market report is—No sales reported.

In fact there is a very serious dearth, and "fair" cotton even at the present very low freights could not be put down in Liverpool under six pence a pound.

Jaggree	Mds.	73,915	Rs.	42,010
---------	------	--------	-----	--------

The weight of jaggree received from Oude and Rohilund Railway at the three junctions, Allyghur, Cawnpore, and Benares, has fallen off by 87,000 maunds, so that the whole decrease may be set down to failure of crops.

Sugar	Mds.	89,326	Rs.	15,903
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The fact that we are carrying raw sugar and jaggree from Calcutta to Shahjehanpore, to keep the large refining works established there at work, will fully explain this.

I now take up the subject *Grain*, which shows an increase in weight of 35,000 maunds, but a decrease in earnings of Rs. 74,000.

This money deficiency may be fairly described as the result of exchanging a period of brisk export of wheat from the North-West for one in which those districts have been feeling the pinch of severe scarcity, and importing rice and pulses from below and barley from the Punjab.

I do not think I need enlarge here on this point, as it has been already so fully treated.

The train mileage has been—

	Coaching.	Goods.	Total.
1878	237,215	5,47,402	7,84,617
1877	227,242	5,14,557	7,41,799
Increase	10,003	32,845	42,848
Decrease			

## EARNINGS PER TRAIN MILE. •

	Coaching.	Goods.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
1878	4 14 8	4 15 1	1 14 11
1877	4 12 5	5 7 5	5 4 0
Increase	0 2 3	..	..
Decrease	..	0 8 4	0 5 1

The goods mileage has been increased by causes dwelt on in late reports; the set of traffic in one direction, and with comparatively short leads, must of course have this effect.

The net result of Rs. 4-14-11 per train mile on the whole traffic can hardly, however, be considered unsatisfactory.

## JUBBULPORE LINK TRAFFIC.

	Coaching.	Goods.	Total.
	Nos. Rs.	Mds. Rs.	Nos. Rs.
1878	38,463 1,14,954	6,29,519 1,86,958	3,61,912
1877	36,132 1,13,716	13,74,462 3,45,599	4,51,225
Increase	2,331	7,52,943	1,48,531
Decrease	..	7,62	1,49,511

The goods traffic in March 1877 (in connection with the famine in Bombay and Madras) was of course quite exceptional.

In the five weeks under notice, however, the earning averaged £21 per week per mile open, and in the latest week for which I have figures (week ending 6th April) it had risen to £39-8-1.

On 13th April we had 686 of our own wagons on the other side of Jubbulpore mostly in seed traffic to Bombay, besides 200 of the O. and R. and S. P. D. stock.

The train mileage has been—

	Coaching.	Goods.	Total.
	Nos. Rs.	Mds. Rs.	Nos. Rs.
1878	27,007 27,007	31,315 31,315	58,332
1877	23,766 23,766	51,500 51,500	1,05,075
Increase	3,241	..	..
Decrease	..	49,994	49,743

so that the goods train mileage earning stands at Rs. 5-15-6 against Rs. 4-12-6 last year.

J. C. BATCHELOR, Traffic Manager.

## MAIN LINE.

Statement showing the Totals and Increases and Decreases of Staples during five weeks ending 30th March 1878.

STAPLES.	WEIGHT.		AMOUNT.		INCREASES AND DECREASES.			
	1877.	1878.	1877.	1878.	Increase.		Decrease.	
	Mds.	Mds.	Rs.	Rs.	Mds.	Rs.	Mds.	Rs.
Beer, Commisariat	22,275	5,401	24,194	1,333	..	..	16,874	22,954
.. not Commisariat	7,099	7,156	9,593	9,593	66	..	..	312
Bird-nests and leaves	21,758	11,638	23,684	9,791	..	..	7,319	14,001
Boots and shoes	2,643	2,759	3,858	3,851	126	13	..	..
Brass and brassware	12,495	15,957	1,289	13,789	3,544	5,491	..	..
Bricks and drainage pipes	19,292	12,771	7,737	5,837	..	..	1,191	..
Coal, up	4,81,726	5,56,665	1,94,847	2,15,532	75,159	75,885	..	..
.. down	13,91,624	19,82,757	2,96,082	2,74,145	5,83,914	74,961	..	..
Copper	19,963	12,101	17,716	18,257	1,198	1,511	..	..
Cotton	1,24,775	35,801	1,84,009	21,502	..	..	88,971	1,62,767
.. twist	10,907	11,238	15,943	17,343	1,401	1,389	..	..
Dyewood	9,561	7,545	8,494	7,235	..	..	1,695	1,160
Empty coops and cages	1,956	6,904	4,000	5,104	218	211	..	..
Firewood	36,895	30,413	835	705	..	..	48	570
Fruits	15,010	14,295	8,236	8,907	265	..	..	214
Glass and glassware	5,433	5,700	9,804	9,250	..	..	283	..
Ghee and oil	38,099	61,084	69,453	66,962	14,491	..	..	4,391
G. B. L. packages	6,047	6,735	18,539	17,287	118	..	..	..
Government Commissariat stores	15,992	15,984	16,785	11,284	..	..	..	3,501
.. Ordnance stores	21,989	12,737	62,954	31,151	..	..	9,242	61,774
.. Rayley	2,175	61,167	30	10,747	61,942	9,053	..	..
.. Oats	7,385	12,134	1,390	5,079	1,710	1,46	..	..
GRAIN, EDIBLE, AND PULSES	7,71,153	10,88,337	1,31,311	3,31,914	3,17,214	1,08,811	..	..
.. Rice	5,44,745	1,57,061	3,56,487	24,757	..	..	4,93,441	3,01,730
.. Wheat	1,67,480	2,57,082	8,854	61,129	..	..	2,09,798	91,741
.. Other grains	1,67,918	1,67,224	37,390	1,03,814	2,09,065	1,03,513	..	..
.. Pulse of all kinds	7,4931	69,966	698,90	4,990	..	..	1,136	17,998
Gunny	83,325	1,28,547	47,133	94,460	11,622	12,759	..	..
Hides and horns	1,067	1,256	1,485	1,411	..	..	..	136
Indigo	81,239	97,593	81,069	1,99,167	16,965	16,143	..	..
Jackree	311,576	2,46,461	1,69,674	67,665	..	..	76,914	120,000
Lac	30,156	28,009	17,891	11,755	..	..	2,564	1,916
Minerals	32,621	69,841	8,489	11,641	8,243	3,155	..	..
Mowah flower	4,459	6,248	891	658	780	..	..	..
Oil-cake	13,965	16,176	7,733	4,519	..	..	3,191	3,214
Opium	42,846	16,115	14,222	17,319	..	..	2,556	2,404
Paper	9,994	1,159	10,193	8,068	..	..	6,841	6,128
Piece-goods	1,30,688	1,19,946	1,01,119	1,35,973	19,278	3,854	..	..
Railway materials, construction account	8,362	9,045	1,062	1,907	683	1,100	..	..
.. foreign	70,247	51,758	57,984	99,180	28,933	18,481	..	..
Roots	17,779	20,180	3,987	6,245	2,469	2,24	..	..
Salt	4,80,902	4,93,534	1,31,832	1,30,408	19,612	..	..	1,104
Saltpetre	53,062	76,972	29,321	32,314	23,910	3,192	..	..
Seeds	6,52,389	8,10,694	2,87,784	3,04,538	1,58,305	13,771	..	..
Silk	2,571	2,183	3,392	3,391	..	..	388	901
Spelter	7,248	7,626	9,087	9,459	378	361	..	..
Spices	13,343	21,729	13,757	17,397	8,477	3,619	..	..
Stones	1,12,503	88,804	13,915	13,759	..	..	2,599	196
Sugar	2,96,576	1,17,140	63,493	17,599	..	..	8,156	15,993
Tea	3,447	3,369	5,023	4,695	..	..	118	48
Timber	66,739	78,467	16,276	30,659	17,718	11,384	..	..
Tobacco	36,241	40,961	18,411	22,137	3,439	3,923	..	..
Turmeric	9,814	9,959	6,152	6,118	..	..	..	34
Wines	11,278	12,013	21,775	21,912	1,335	1,17	..	..
Miscellaneous	1,59,689	1,71,776	1,62,127	1,72,327	12,996	10,299	..	..
Total	69,43,116	76,37,985	28,93,936	27,57,959	16,88,264	5,86,173	9,94,536	7,19,059

# Reports of Fluctuation of Traffic on the Eastern Bengal Railway for the five weeks ending 30th March 1878.

EASTERN BENHAL RAILWAY COMPANY, TRAFFIC SUPERINTENDENT'S OFFICE.

Report on the Traffic for the five weeks ending the 30th March 1878.

Dated Calcutta, the 23rd April 1878.

From— W. INNES, Esq., Acting Traffic Superintendent,

To— The Agent, Eastern Bengal Railway, Sealdah.

THE weight of goods carried by this Railway during the above period amounted to 7,88,347 maunds, which, as compared with the corresponding period of 1877, shows a decrease of 49,807 maunds, accounted for mainly by the decreased traffic in seed grain, including rice, sugar, tobacco, turmeric, and hides, overbalancing an increase of over 88,000 maunds in miscellaneous goods 53,060 in jute, 21,600 in foreign railway materials, 7,000 in piece-goods, 6,000 in salt, 1,700 in gunny, and 3,700 in cotton.

## Decreases.

Seeds	...	...	...	Mds.	1,09,532
Grain, including rice	...	...	...	"	73,872

This must be held as reactionary on the abnormal increase for supply to the famine districts last year.

Sugar	...	...	...	Mds.	35,913
-------	-----	-----	-----	------	--------

This decrease is owing to there being less sugar to send this year. The crop is estimated as being a fourth less than usual.

Tobacco, bundles and bales of	...	...	...	Mds.	9,100
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The demand for this staple has been moderately firm and regular, although at times unaccountably capricious. The fluctuations in the traffic are solely dependent on the crop being abundant or scarce, which latter, I regret to say, is the case this year.

Jute, bales of	...	...	...	Mds.	4,814
----------------	-----	-----	-----	------	-------

This is owing to the screw presses at Dacca and Narayanganj having closed earlier than usual this year.

Turmeric	...	...	...	Mds.	3,499
----------	-----	-----	-----	------	-------

This is owing to a fall in the market.

Hides, bundles and bales of	...	...	...	Mds.	1,846
-----------------------------	-----	-----	-----	------	-------

This is also owing to a fall in the market, there being scarcely any demand, except for the best qualities.

## Increases.

Miscellaneous goods	...	...	...	Mds.	88,124
---------------------	-----	-----	-----	------	--------

This is very satisfactory and chiefly accounted for the opening of the Northern Bengal State Railway.

Jute, drums of	...	...	...	Mds.	57,905
----------------	-----	-----	-----	------	--------

This is also satisfactory, and owing to the market maintaining good prices, the demand exceeding the supply.

Railway material, foreign	...	...	...	Mds.	21,631
---------------------------	-----	-----	-----	------	--------

This is of course due to the demand of the Northern Bengal State Railway.

Piece-goods	...	...	...	Mds.	7,018
-------------	-----	-----	-----	------	-------

This is satisfactory, and no doubt chiefly owing to the opening of the Northern Bengal State Railway.

Salt	...	...	...	Mds.	5,984
------	-----	-----	-----	------	-------

This is owing to the anxiety of the salt merchants to dispose of their stock previous to the threatened levy of an enhanced duty.

Gunny, bundles and bales of	...	...	...	Mds.	4,763
-----------------------------	-----	-----	-----	------	-------

This is probably owing to the merchants availing themselves of the use of company's bags to a greater extent than formerly.

Cotton, bundles and bales of	...	...	...	Mds.	3,726
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This traffic may be expected to increase steadily.

I attach the usual statement of increases and decreases.

## EASTERN BENHAL RAILWAY.

Statement showing Increases and Decreases in maundage of staples carried over the line for the five weeks ending 30th March 1878, as compared with the corresponding period of 1877.

STAPLES.	1877.		1878		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Ale, beer, wine, &c.	1,219	...	1,475	3	1,219	1,478	259	...
Cotton, bundles of	199	...	43	2,406	199	2,449	2,250	...
Ditto, bales of	1,127	...	2,068	535	1,127	2,603	1,476	...
Grain, including rice	3,129	2,91,028	2,861	2,17,724	2,91,157	2,20,685	...	73,872
Gunny, bundles of	1,678	652	5,731	557	2,339	6,270	3,940	...
Ditto, bales of	679	9,614	213	10,874	10,293	11,116	823	...
Hides, bundles of	...	15,146	179	13,233	15,146	13,412	...	1,734
Ditto, bales of	...	324	...	212	324	212	...	112
Jute, drums of	365	1,07,621	15	1,65,878	1,07,984	1,65,893	57,905	...
Ditto, bales of	...	1,07	...	6,163	11,007	6,163	...	4,844
Piece-goods	21,225	73	27,826	520	21,298	28,346	7,048	...
Railway materials, foreign	8,238	...	20,860	...	8,238	20,860	21,631	...
Salt	46,126	...	52,110	...	46,126	52,110	5,984	...
Seeds	240	1,51,726	8,033	33,870	1,52,016	42,483	...	1,09,532
Sugar	774	75,516	5,098	35,288	76,289	49,376	...	35,913
Tea	1	3	11	169	4	180	176	...
Tobacco, bundles of	61	10,683	532	4,961	10,744	5,493	...	5,251
Ditto, bales of	...	3,819	...	...	3,819	...	...	3,849
Turmeric	...	10,137	50	6,589	10,137	6,038	...	3,499
Twist	3,432	1,539	4,037	137	4,991	4,174	...	817
Miscellaneous	27,964	32,109	98,323	59,165	60,373	1,43,497	88,124	...
Total	1,10,805	7,21,349	2,39,084	5,19,263	8,38,154	7,88,347	1,59,016	2,39,423
					7,88,347	...	...	1,89,616
Decrease	...	...	...	...	49,807	...	...	49,807

### Report of Fluctuation of Traffic on the Tirhoot State Railway for the Month of March 1878.

#### TIRHOOT STATE RAILWAY.

##### INCREASES.

Food-grains	...	Mds 14,044
This increase is due to the steady growth of traffic and may be affected in a manner by the scarcity in the North-Western Provinces and Bundelkhand.		
Indigo	...	Mds. 35
This is the balance of last season's manufacture.		
Iron	...	" 968
The growth of this traffic is due to the facilities afforded by the Barrh branch.		
Piece-goods	...	" 4,400
The increase in this staple is healthy, and is gradually being diverted from the river to the rail		
Seeds—Indigo	...	Mds. 7,251
This is the season for sowing indigo, and represents a fair activity in the import of this seed.		
Seeds	...	Mds. 17,445
This is chiefly export traffic, and the steady increase in this staple is very satisfactory and will continue as regular traffic		
Salt	...	Mds. 7,516
Though representing an increase, this is not sufficiently satisfactory for staple of universal consumption.		
Saltpetre	...	Mds. 8,983
This is an export traffic, and fluctuates according to the demand for it in Calcutta and other marts.		
Tobacco	...	Mds 3,024
This is the commencement of the tobacco season, and the traffic promises to be favourable		
All other goods	...	Mds. 8,917
This is a general traffic, and the increase is most satisfactory, being due to through booking and the quick transit of stores, &c., now obtainable from Calcutta direct.		

##### DECREASES.

Hides	...	Mds 932
This traffic is not so brisk in the hot season.		
Railway material	...	" 1,944
is now likely to decrease owing to completion of the line.		

#### TIRHOOT STATE RAILWAY

Statement showing Increases and Decreases in Mawdage of Staples carried over the line during the month of March 1878.

STAPLES.	1877.		1878.		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Food-grains	2,017	7,100	3,421	19,746	9,123	23,167	14,044	
Hides and horns	51	3,244	22	2,341	3,295	2,393		932
Indigo				35		35	35	
Iron	133	275	1,376		408	1,376	968	
Piece-goods	50		4,420	24	50	4,450	4,400	
Railway materials	144	6,182	3,092	100	5,320	3,982		1,944
Seeds—Indigo	308	383	7,012		691	7,942	7,251	
—Oil	580	17,403	1,200	34,280	17,984	35,439	17,115	
Salt	673		8,189		673	8,189	7,516	
Saltpetre		4,931	88	13,826	4,931	13,914	8,983	
Tobacco	1,083		14	4,393	1,983	5,007	3,024	
All other goods	9,529	6,134	9,261	15,319	15,663	24,580	8,917	
	15,477	41,080	38,031	90,813	60,137	1,29,844	72,583	2,876
Increase						60,137	2,876	
						69,707	69,707	

W. M. JOHNSTON, Asst. Traffic Suptd., Tirhoot State Railway

### Weekly Return of Traffic Receipts on Indian Railways.

#### EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 20th April 1878 on 1,279½ miles open

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC				TOTAL TRAFFIC RECEIPTS	TRAIN MILES RUN						
	No. of passengers.	Coaching receipts.		Weight carried	Receipts.		Receipts.	Coaching		Merchandise	Total.					
		Rs.	A. P.		£	s. d.						Mds. S.	Rs.	A. P.	£	s. d.
Total traffic for the week ...	138,600	1,97,979	1 3	18,148	1 8	12,67,472	10	4,69,174	7 3	42,915	10 9	6,08,153	8 6	46,745	88,574½	135,319½
Or per mile of railway ...	.....	154	11 3	14	3 8	365	13 4	33	10 8	320	8 7	.....	.....	.....	.....	.....
For previous 15 weeks of half-year	2,131,171½	61,25,478	12 6	286,502	0 9	2,14,65,752	0	80,01,730	15	8,733,767	0 2	1,11,30,207	12 2	699,030	1,578,082½	2,268,962½
Total for 16 weeks	2,269,331½	33,23,455	13 9	304,650	2 5	2,27,33,224	10	84,72,905	6 11	776,082	19 11	1,17,96,561	4 8	746,075	1,667,557½	2,404,212½
COMPARISON.																
Total for corresponding week of previous year ...	133,620½	1,73,363	1 11	15,891	10 6	14,43,171	9	6,02,265	5 9	55,207	13 2	7,76,627	7 8	43,831	109,211	163,043
Per mile of railway, corresponding week of previous year	.....	135	7 5	12	8 4	.....	.....	470	9 10	43	2 10	606	1 3	.....	.....	.....
Total to corresponding date of previous year ...	2,283,716	35,73,651	1 8	327,584	13 8	2,09,96,904	30	87,98,223	4 8	806,503	10 0	1,23,71,874	6 4	703,053	1,619,275	2,382,136

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 20th April 1878 on 223½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.		Coach- ing.	Merchan- dise.		Total.		
		Ry. A. P.	£ s. d.		Mds. s.	Rs. A. P.					£ s. d.	
Total traffic for the week ...	6,610	18,847 9 6	1,727 13 11	2,10,789 10	59,806 7 0	5,463 18 6	78,454 0 6	4,733½	13,650½	18,383½		
Or per mile of railway ...		84 8 9	7 14 6		266 6 4	24 8 5	350 10 1					
For previous 15 weeks of half-year	113,724	3,28,282 11 0	30,002 11 7	22,40,100 30	6,49,543 1 3	59,341 9 0	9,77,825 12 3	73,263½	144,594½	217,857½		
Total for 16 weeks	120,344	8,47,130 4 6	31,920 5 6	24,50,890 0	7,00,149 8 3	65,005 7 6	10,50,279 12 9	77,997½	158,254	236,251½		
COMPARISON.												
Total for corresponding week of previous year	5,864½	10,883 9 6	1,831 16 7	2,57,897 30	62,350 11 0	5,706 6 3	82,234 4 6	4,581	10,533	21,114		
Per mile of railway, correspond- ing week of previous year ...		89 5 0	8 3 9		278 5 5	25 10 1	367 8 5					
Total to corresponding date of previous year	123,181½	4,01,420 14 9	42,296 18 4	39,30,297 10	9,90,075 7 0	90,756 18 3	14,51,496 5 9	82,266	253,242	335,498		

## EASTERN BENGAL RAILWAY

Approximate Return of Traffic for week ended 20th April 1878 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		Total receipts.		
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.		£ s. d.	
Total traffic for the week ...	44,112	35,476 10 6	3,288 13 11	1,75,024 19	32,941 0 0	3,019 11 10	6,308 5 9		
Or per mile of railway	279	226 11 4	20 15 7	1,106 1	208 2 6	19 1 8	9 39 17 3		
For previous 15 weeks of half-year	630,113	5,13,632 1 10	47,082 18 10	29,17,582 13	7,07,083 3 4	61,816 19 1	1,11,808 17 11		
Total for 16 weeks	674,225	5,48,508 12 4	50,371 12 9	30,92,610 32	7,40,024 8 4	67,835 10 11	1,18,207 3 8		
COMPARISON.									
Total for corresponding week of previous year	33,774½	23,789 4 1	2,180 13 8	2,57,655 17	48,327 12 0	4 430 0 10	6,610 14 6		
Per mile of railway, corresponding week of previous year	226	150 5 3	13 15 8	1,624 6	305 6 2	27 19 10	441 16 8		
Total to corresponding date of previous year	593,357½	4,21,426 7 8	38,630 15 2	32,75,683 7	6,07,211 14 5	55,661 1 10	94,291 17 0		

## NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for week ended 6th April 1878 on 1½ miles open.

		Rs.	A. P.	£	s. d.	Mds. q.	Rs.	A. P.	£	s. d.	£	s. d.
Total traffic for the week	7,122	4,946	0 0	404	12 0	27,191	9,120	0 0	912	0 0	1,408	12 0
Or per mile of railway	41	28	13 0	2	17 7	158	53	0 0	5	6 0	8	3 7
For previous 13 weeks of half-year	71,252	50,186	0 0	5,019	10 0	2,30,510	61,335	0 0	6,133	10 0	11,153	0 0
Total for 14 weeks	78,374	55,141	0 0	5,514	2 0	2,83,701	70,455	0 0	7,045	10 0	12,559	12 0
COMPARISON												
Total for corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Per mile of railway, corresponding week of previous year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	Total decrease in 1878.
			3rd March 1877.	2nd March 1878.	To 3rd March 1877.	To 2nd March 1878.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
9th March	Northern Bengal	172						
23rd "	Tirhoot	82	16,301 0 0	17,710 0 0	40,446 0 0	70,141 0 0	70,141 0 0	
23rd "	Calcutta and South-Eastern	28	2,512 0 0	7,460 0 0	18,690 0 0	80,002 0 0	39,550 0 0	
9th "	Nalhati	274	1,950 0 0	2,773 0 0	16,267 0 0	22,495 0 0	3,805 0 0	
	Total		20,777 0 0	30,719 0 0	75,403 0 0	1,91,306 0 0	1,15,903 0 0	

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

Latest return received.	Name of Railway	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	Total decrease in 1878.
			10th March 1877.	9th March 1878.	To 10th March 1877.	To 9th March 1878.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
9th March	Northern Bengal	172						
23rd "	Tirhoot	82	4,317 0 0	9,612 0 0	43,763 0 0	79,753 0 0	79,753 0 0	
23rd "	Calcutta and South-Eastern	28	2,287 0 0	7,113 0 0	29,977 0 0	87,115 0 0	45,382 0 0	
9th "	Nalhati	274	1,406 0 0	2,905 0 0	17,672 0 0	26,996 0 0	4,419 0 0	
	Total		7,009 0 0	22,492 0 0	82,412 0 0	2,13,797 0 0	1,31,385 0 0	



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MAY 8, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## IMPROVEMENT OF DRAINAGE OF TOWNS AND VILLAGES IN BENGAL

### FINANCIAL DEPARTMENT—SANITATION.

*Calcutta, the 29th April 1878.*

READ—

A letter dated 9th April 1878, from Rujh Degumber Mitter, c.s.r., explaining his views as to the causes of the epidemic fever which from time to time appears in different parts of Bengal, and containing his suggestions for its prevention.

Read again—

Government Circular No. 28, dated 7th August 1877, regarding the improvement of the drainage of towns and villages in Bengal with a view to preventing the unhealthiness caused by obstructed drainage, and consequent dampness of the sub-soil.

THE improvement of the drainage of towns and of village sites is a subject to which the Lieutenant-Governor attaches the greatest importance, and in his opinion there is no room for doubt that one, at least, of the chief causes of unhealthiness in Bengal, and of the fevers which in late years have done so much injury and have caused so much misery, suffering, and mortality among the people of large tracts of country, is the excessive humidity of the soil caused by obstruction to drainage.

2. The obstruction is no doubt in some cases caused by roads, railroads, or embankments, and it is the duty of the Magistrates, as well as of all other officers possessing local influence or authority, to see that such obstructions are remedied by the provision of a sufficient amount of waterway by means of culverts and bridges. The value of these culverts and bridges is much enhanced when they are accompanied by drains leading into them constructed



along the sides of the obstructing embankment, and when care is taken to secure sufficient drainage on the lower side of the embankment to carry off the water to the nearest bheel or river.

3. But the obstruction to drainage caused by artificial means is of trifling importance in comparison with the natural obstruction caused by the silting up, or destruction in other ways, of old water-courses, through which the surplus drainage from the villages flowed to the neighbouring lowlands, and the surplus water of these lowlands was carried into rivers or other natural outlets.

4. Experience in a number of large stations has lately shown that fever has been not unfrequently brought into such places by an entire indifference on the part of the local authorities and of municipal bodies to the important question of obstructed drainage; and that thereby excessive suffering and mortality have been caused. There is no doubt very great truth in the theory, which has so often and so strongly been insisted upon by Rajah Degumber Mitter, that the natural course of the drainage of Bengal villages is too often overlooked in investigating the causes of outbreaks of fever. The natural condition of that drainage is very correctly described in the following paragraphs of the Rajah's letter of 9th instant:—

“My next inquiry was devoted towards the drainage condition of the fever-stricken villages, as this abnormal dampness must, I concluded, be owing to excessive or unusual absorption of the periodical rainfall in the sub-soil of those villages. As nature has blessed or cursed this land with a periodical rainfall of 60 to 70 inches within three or four months, she has also provided it with a beautiful and simple drainage system whereby to get rid of this large quantity of water from the village site. The natural drainage system of the country, as I have stated on page 5 of the pamphlet, is as follows:—

“The drainage of all the villages in the epidemic districts, as elsewhere in Lower Bengal, is effected by the water first running into the nearest paddy-fields lying in the direction of their slope; thence it collects in the bheels, from which it rushes through khals into larger streams, which again communicate with navigable rivers. An obstruction occurring in any one of these conduits must interfere with the drainage, and its effects are felt more or less according to the proximity or remoteness of the obstruction from the scene of its influence. Accordingly, it has been found, as will be noticed more particularly hereafter, that the stoppage of the mouths of the different streams has not been productive of such serious consequences to the villages lying within their influence, as when the same occurred more in the vicinity of those villages.”

“There is scarcely a single village in Lower Bengal which has not a paddy-field or bheel adjoining, or in close proximity to it, indicating at once which way the slope of the village runs. We also know as an undeniable physical fact that the river-bank being high, the slope of the villages lying on it is necessarily inland. Bearing these physical peculiarities of the country in mind, one can easily trace, without taking levels or calling in the aid of a professional engineer, whether any obstruction has been offered to the drainage of a particular village in its flow to its natural outfall.

“In prosecuting any inquiry into the drainage condition of some of the fever-stricken villages according to the laws stated above, I found in every instance, not only that obstruction had been offered to the flow of the monsoon water from the village to its natural outlet, but that the virulence of the fever and the interval which preceded its outbreak were regulated according to the proximity or remoteness of the obstruction from the scene of its influence.”

5. Under existing laws, Collectors, Magistrates, and Municipal bodies have ample powers for dealing with the evil. In the great majority of cases expensive works are not required: very often indeed the expenditure of a few hundred rupees will give relief to thousands of suffering human beings. No doubt it may be urged that, as the money expenditure in most cases would be so small, the sufferers might reasonably be expected to help themselves, but the knowledge which all Magistrates must possess of the habits of the people will satisfy them that associated labour for the public good is not generally to be expected in the present day from native populations. What is required to be done must for the most part be done either wholly or in part by public officers or public bodies.

6. The Lieutenant-Governor relies upon all Commissioners and District Officers to take up this matter in an earnest spirit. It is a subject in which

the District Road Committees ought to be able to give much real and useful assistance, and even if their funds cannot be employed on such works, there is no reason why their engineering staff should not render valuable assistance in laying out and devising village drains, since they must often, in the course of their ordinary duties, come upon villages in which a small and inexpensive drain would render a whole village healthy.

7. Another subject which deserves the careful and anxious attention of District Officers is the supply of good drinking-water. Where public funds are not available there will frequently be found men of public spirit ready and anxious to co-operate with the Magistrate in the excavation of tanks, a work which has always been looked upon in India as a work of merit. Large sums of money are expended in this way every year, but it is feared that much of it is wasted by the excavation of tanks in places where they are not wanted, while other places greatly in need of water are overlooked. In respect to the selection of sites for tanks, it is always in the power of the Magistrate to exercise a very useful and beneficial influence on those who are charitably disposed.

8. Whenever a really useful scheme is proposed to improve the drainage, or to provide pure drinking-water, Mr. Eden will always be willing to assist District Officers and public bodies by grants-in-aid to enable them to improve the condition of the people, so far as the funds at his disposal will permit. Considerable grants have already been promised this year for this purpose, and no more proper or legitimate mode of expending any surplus which may accrue from the Public Works Cess could be devised.

ORDER.—Ordered, that a copy of this Resolution, together with a copy of Rajah Degumber Mitter's letter, be forwarded to all Commissioners for information and guidance.

By order of the Lieutenant-Governor of Bengal,

D. BARBOUR,

*Offg. Secretary to the Govt. of Bengal.*

**NOTES ON THE NAVIGATION OF THE RIVER MEGNA, DESCRIPTIVE  
OF THE PASSAGE BETWEEN CHITTAGONG AND DACCA, BASED  
UPON A CURSORY SURVEY OF THE CHANNELS DURING  
THE MONTH OF MARCH 1876.**

By MR. F. LAYCOCK, RIVER SURVEYOR.

THE navigation from Chittagong by Sundeeep and the Megna channels to Naraingunge, with the aid of an intelligent native pilot, is practicable for vessels of a draught not exceeding 15 feet.

From the entrance between Seetakoond Hill and the north end of Sundeeep Island, there is a distance of 70 miles of more or less shoal water, with four bars and anchorages between.

A steamer leaving Sundeeep anchorage at first quarter flood "would easily accomplish this distance in one tide. But with a sailing vessel it would be more tedious navigation, and caution would be required not to pass beyond the anchorage between the bars, without a good chance of crossing the next bar before the tide fell too low.

The whole distance from the entrance of Chittagong river to Naraingunge by this route is 160 miles; and, with attention to the tide, it could be done by a steamer in two working days.

There are several native pilots at Chittagong regularly employed in the coasting craft. The one engaged at Naraingunge from a Chittagong brig was an intelligent man, with a clear knowledge of the navigation and peculiarities of the channels.

On account of the changeable nature of the bars and channels at the entrance, it would be advisable to keep one or more pilots stationed at Bidon, or about the entrance of Peer Bux Nulla, to make frequent examinations of the channels at low water, ascertaining the changes, and giving information as to the deepest crossings over the bars from Sundeeep to Bowney. A few tide-gauges, beacons, and buoys would also be required.

The present state of the channels and sands has only been ascertained from a cursory survey.

The following sailing directions will be found useful and a good guide for navigation.

The information therein contained is applicable only to the dry season.

No doubt during the rains there is much more water and greater tidal influence. I believe the navigation to be practicable for steamers all the year round.

*Sailing Directions for the River Megna.*

VESSELS wishing to proceed up the Megna river for Naraingunge should first make the entrance of the Chittagong river, and having procured a native pilot there, should then steer up along the coast north-west by north (magnetic) for about 25 miles, until the following position in four fathoms low water is reached:—Great Trigonometrical Survey mark on Seetakoond Hill bearing north-east by east; north end of Sundee Island, west north-west; and the entrance of the Fenny river open bearing north by west.

Here if the tide is falling or the day far advanced a vessel should anchor.

Weighing from this anchorage on first quarter flood, a north-west by west course should be steered for the north-east point of Bidon Island, care being taken to allow for the strong set of the tide into the Fenny river, and amongst the churs to the eastward. The bar below the north-east point of Bidon is shoal. Soundings from four to twelve feet reduced will be found; the rise of tide during the dry season is 18 feet on springs, 15 feet neaps.

After rounding the north-east point of Bidon at a distance of about half a mile, a course may be steered along the Bidon shore in deep water, the channel varying in width from 200 to 80 yards. Sands to the eastward are steep-to; the lead should be attended to. If there is not sufficient flood to carry the vessel across the bar between Seedeey and Bowney, good anchorage in four to six fathoms low water will be found abreast the nullah that divides Seedeey and Bidon.

From above the south-east point of Seedeey Island a series of shoals and gulleys extend across to the opposite bank of the river near Bowney. The changes here are very frequent, so that it is advisable to obtain information from the fishermen or ferry boatmen about Seedeey and Bidon as to the deepest crossing; there is often not more than three feet at low water, so the passage must be taken at high tide.

Leaving the south-east point of Seedeey, a north-west by west course should be steered until the north shore of Seedeey is well open; then haul more over to the westward and make the northern bank to the westward of Bowney at Chiringa.

From Chiringa the channel runs north-east and south-west along shore, till the extreme south point to the westward is approached. It varies in width from 80 to 300 yards. Anchorage near the shore will be found in four to six fathoms low water.

A sand, dry at low water, extends a long distance to the southward of the point below Noakholly khal, and a bar from it to the Toom chur. This bar is about three miles across with six feet reduced. After deepening to the westward of the bar, haul up for the eastern bank so as to make it to the westward of the entrance of the Noakholly khal. There is then a good channel along the eastern bank one to one-half miles wide, deep water along the shore shoaling gradually towards the edge of the sand to the westward. After passing the entrance of Mahendra khal, a distance of about 18 miles beyond Noakholly, a mid-channel course should be steered to the westward, passing to the northward of Narnush chur across the bar, extending from the shore below Bhowanigunge nullah over to the Narnush and Falcon churs, the bar is three miles across with nine feet reduced. After deepening to the westward the channel continues in a north-westerly direction, past the churs facing the north-east end of Dakhin Shahbazzpore Island and entrance of Kaloopore nullah, to beyond the north opening of the Ilsha river. The soundings vary from 12 to 15 feet low water.

After passing the mouth of the Ilsha river, a more northerly course must be steered to avoid the shoal flat extending out from the western shore about Dowladee. The lead is a good guide, and the limit of the channel to the eastward is marked by the high churs, which may be approached within half a mile.

When the south entrance of the Nowa Baugnee river is opened below Jaunpore chur, haul over to the north-west for it, and deep water will be found with a good wide channel along the western side up to Bhorokandee at the junction of the Bhaero and Pudda rivers.

Here the channel crosses over to the eastern side, and a north-east course must be steered for the prominent point above Nursingpore. An extensive sand fronts the east side of the Bagha chur up to the north-east point, until the Pudda river is well open; but the channel over to the north-eastward is deep from four to six fathoms low water. And from this junction of the Pudda and Megna, vessels may take the route round to the eastward of the Ballisur chur by Chandpore, or up the Pudda, and through the Kutchee Kutta to the westward of Ballisur chur. The latter is a very narrow route, principally used by inland steamers as a short cut and a sheltered anchorage.

The route to the eastward by Chandpore is preferable, being wide and deep. Using this passage, vessels should keep close round the point above Nursingpore, and along the eastern bank in deep water, past the entrance of Chandpore khal, until the Ameeran khal is opened. Then haul over to the westward for the north end of Ballisur chur, passing midway between the four small churs to westward of Ameeran, leaving two on the right and two on the left, making the western bank of the river a little above the north entrance to the Kutchee Kutta.

From this there is a fair channel along the western bank, bounded to the eastward by high churs. The depths of water vary from three to six fathoms low water, and there is ample room for vessels of moderate size and draught to work with safety.

At the junction of the Dullarey with the Megna the channel becomes narrow, and the deep water will be found along the eastern side, along by the villages of Soonakandah and Muddengunge, abreast which vessels could anchor and swing with safety. If wishing to enter the Luckia, and lay off Naraingunge, they might cross the bar at the entrance of the Luckia at high water, and moor abreast the town near the western bank above the Seeta Luckia khall.

*Bars in the Megna.*—There are four bars, as follows:—

Sundeeep bar, from abreast the north end of Sundeeep Island to the north-east point Bidon Island, changeable. Soundings four to twelve feet low water. Rise 18 feet springs, 15 feet neaps.

Seedey bar, from north-east side of Seedey Island over to opposite shore to the westward of Bowney. Very changeable and shallow. Rise and fall as at Sundeeep.

Noakholly bar, from extreme south point below Noakholly khall over to Toom chur. Six feet low water. Rise and fall ten feet springs, eight neaps.

Bhowanigunge bar, from below Bhowanigunge nullah over to Narnush and Falcon churs. Nine feet low water. Rise as at Noakholly bar.

*Tides.*—The tides in the Megna river during the dry season are strongest, and rise highest in the outer channels between Noakholly and Sundeeep. The floods have the greatest velocity.

Above Sundeeep they set generally in the direction of the channels. Below the north end of Sundeeep the floods set strong towards the entrance of the Fenny river, particularly on the eastern or Chittagong side.

The rise of tide on the springs, month of March, at east side of Bidon, is 18 feet. High water full and change two hours, about one hour may be allowed as far as the entrance of Ilsha river, as difference of high water for every 20 miles.

The velocity at Bidon in the channel on the springs is five knots flood, three ebb; but strong winds with or against the tide would retard or accelerate it materially.

At Seetapoolly khal the rise and fall is ten feet springs, eight feet neaps. Velocity same as at Bidon.

At the south entrance Nowa Baugnee river, the tidal influences decrease, and the water is clear. Rise nine feet springs, six feet neaps. Velocity, flood three knots, ebb two knots.

At Chandpore and Katchee Kutta junction of Pudda and Megna, rise on springs five feet, neaps three feet. Velocity, flood and ebbs, two knots.

At Naraingunge rise and velocity same as Chandpore. High water full and change, about ten hours.

*Bores.*—The bores in the outer channels of the Megna are very severe.

Their influence is felt from the commencement of the shallow water outside Sundeeep as far up the river as the south entrance of the Nowa Baugnee. I did not observe it higher up, and the natives say that is about the limit of their force.

Rushing over the shoals with great violence on a high crested wave, the bore from the Sundeeep channel meets that coming up between Hattiyah and west side of Sundeeep, at the north end of Seedey Island. They there form a large whirlpool that would be fatal to any craft caught in it. It then sweeps along with irresistible force over the sands about Falcon chur, and along the western side to Dukhin Shahbazpore, losing its force in the deep water about the Jaunpore chur.

I am informed that they occur nearly all the year round on the spring tides, the months from November to March being the exception. They are heaviest during the months of August, September, and October.

Great care should be taken not to anchor in shallow water during this period, which is generally for four days—two before and two after full and change.

The country trading boats generally suspend navigation and lay up in creeks out of the influence when bores are expected.

## STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARKS.	STOCKS IN HAND AS COMPILED ON—						
	30th October 1877.	1st week of December 1877.	1st week of January 1878.	1st week of February 1878.	1st week of March 1878.	1st week of April 1878.	1st week of May 1878.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta ... ..	5,44,000	3,03,400	6,22,000	5,41,700	4,90,500	7,31,700	5,90,200
Ooltadanga ... ..	60,200	45,400	39,900	40,400	48,000	62,600	47,700
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghât.	8,03,100	4,32,300	3,62,900	3,37,000	4,00,700	4,47,300	4,25,400
Pathuriaghatta, Posta, and Jorabagan.	27,000	16,000	20,400	34,300	11,100	15,500	16,400
Tollygunge, Chitlah, Kidderpore, and Moonshigunge.	2,16,200	1,16,100	1,49,300	1,85,600	1,61,900	1,60,000	1,79,200
21 Minor Hazars (estimated)	2,10,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,120 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boldyabatty, Nowabgunge, Bhudressur, and Chandernagore.	1,00,000	75,000	37,162	43,957	61,904	29,294	46,402
Total ..	22,40,500	14,78,800	17,27,632	16,79,857	16,07,704	19,26,204	17,95,302
On Railway premises both sides the river.	18,528 (on 29th Oct.)	12,186 (on 3rd Dec.)	8,732 (on 4th January 1878.)	17,628 (on 3rd Feb.)	21,328 (on 3rd March.)	26,716 (on 1st April.)	9,010 (on 3rd May.)
On boats unloaded as by ...	Port Commissioners' returns	50,834 (1st to 3rd December.)	70,102 (2nd to 4th January.)	87,818 (1st to 3rd February.)	61,228 (1st to 3rd March.)	65,149 (30th March to 1st April.)	22,328 (1st to 3rd May.)
	Canal returns ...	43,265 (24th to 27th Oct.)	16,812 (1st to 3rd December.)	1,21,549 (2nd to 4th January.)	1,10,012 (1st to 3rd Feb.)	84,655 (1st to 3rd Mar.)	19,538 (30th March to 1st April.)
Grand Total of Stocks ...	21,11,079	15,58,632	19,28,040	18,95,345	18,34,915	20,37,697	18,46,140
Probable stocks available for exportation by sea.	12½ lakhs.	5 lakhs.	8½ lakhs.	8½ lakhs.	7½ lakhs.	9½ lakhs.	8 lakhs.

The 7th May 1878.

D. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

The following Statement shows the quantities of the principal staples of Traffic imported into Calcutta from the interior during the month of March 1878.

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							Jute, raw.	OIL-SEEDS.		Cotton, raw.	Silk, raw.
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.		Lunseed.	Mustard seed.		
	Rice.	Paddy.*	Total (in rice).									
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan ... ..	3,54,137	3,185	3,50,124	1,329	8,253	142	3,63,852	.....	4,211	1,505	.....	43
Barrbhoom ... ..	67,129	.....	67,129	.....	.....	.....	67,129	.....	.....	.....	.....	77
Midnapore ... ..	1,75,550	62,980	2,14,913	.....	.....	.....	2,14,913	1,160	.....	250	.....	49
Hooghly ... ..	1,18,282	5,860	1,21,944	4,133	11,204	330	1,37,701	47,109	27,010	2,047	1,505	48
24-Pergunnahs ...	3,80,332	40,950	4,09,679	517	2,749	24	4,12,960	18,402	6,731	158	238	.....
Nudda ... ..	51,100	.....	51,100	15,753	71,847	8,224	1,41,961	4,269	30,172	2,390	80	377
Jessore ... ..	14,363	550	14,707	.....	9,335	.....	24,042	8,820	125	100	.....	.....
Moorshedabad ...	77,252	.....	77,252	1,679	19,046	108	98,985	1,734	4,546	982	.....	356
Dinapore ... ..	20,519	.....	20,519	.....	72	.....	20,591	9,369	.....	152	.....	.....
Rajshahye ... ..	4,495	.....	4,495	.....	3,838	.....	8,333	2,853	850	.....	.....	34
Rungpore ... ..	272	.....	272	.....	.....	.....	272	13,659	.....	.....	.....	.....
Borra ... ..	21,857	.....	21,857	.....	.....	.....	21,857	.....	.....	.....	.....	.....
Pubna ... ..	5,617	.....	5,617	.....	.....	.....	5,617	1,75,693	161	.....	.....	.....
Jalpigore ... ..	.....	.....	.....	.....	.....	.....	.....	220	.....	.....	.....	.....
Dacca ... ..	32,438	247	32,586	.....	456	.....	34,042	85,855	.....	.....	100	.....
Furzedpore ... ..	9,574	.....	9,574	.....	2,018	.....	11,592	19,350	1,209	.....	.....	.....
Backergunge ... ..	3,87,920	.....	3,87,920	.....	920	.....	3,88,840	895	964	1,531	.....	.....
Mynensingh ... ..	3,336	.....	3,336	.....	852	.....	4,188	57,262	.....	.....	.....	.....
Tipperah ... ..	20,734	.....	20,734	.....	350	.....	21,084	.....	.....	.....	.....	.....
Chittagong ... ..	.....	.....	.....	.....	50	.....	50	.....	.....	.....	.....	.....
Noakhully ... ..	7,105	.....	7,105	.....	.....	.....	7,105	.....	.....	.....	.....	.....
Total of Bengal ...	17,52,012	1,19,768	18,20,867	23,410	1,31,120	3,828	19,45,225	4,26,043	75,970	0,461	1,923	984
BEHAR.												
Patna ... ..	17	.....	17	595	37,027	6,832	44,471	.....	14,863	1,03,998	.....	.....
Shahabad ... ..	.....	.....	.....	258	14	.....	272	.....	392	102	.....	.....
Muzafferpore ... ..	200	.....	200	.....	.....	1,755	1,955	.....	549	1,205	.....	.....
Durbhanga ... ..	.....	.....	.....	.....	2,076	.....	2,076	.....	12,194	18,840	.....	.....
Saran ... ..	.....	.....	.....	.....	886	.....	886	.....	3,024	.....	.....	.....
Monghyr ... ..	30	.....	30	11,507	45,775	2,149	59,551	.....	14,514	18,242	.....	.....
Bhagulpore ... ..	1,829	.....	1,829	9,067	5,677	5,228	22,101	.....	9,916	10,340	.....	.....
Purneah ... ..	200	.....	200	1,874	1,080	.....	3,164	1,437	1,672	2,541	.....	.....
Maldah ... ..	7,608	.....	7,608	812	765	.....	8,985	7,152	.....	360	.....	.....
Sonthal Pergunnahs	4,914	.....	4,914	4,889	2,690	896	13,395	.....	8,405	9,159	.....	10
Total of Behar ...	14,798	.....	14,798	29,492	96,005	16,860	1,57,155	8,589	65,601	1,64,842	.....	16
ORISSA.												
Cuttack ... ..	1,179	.....	1,179	.....	.....	.....	1,179	62	60	.....	19	.....
Balasore ... ..	8,884	26,630	25,528	.....	.....	.....	25,528	68	.....	.....	.....	.....
Total of Orissa ...	10,063	26,630	26,707	.....	.....	.....	26,707	150	60	.....	10	.....
CHOTA NAGPORE.												
Hazareebagh ... ..	.....	.....	.....	.....	.....	.....	.....	.....	40	2,336	.....	.....
Manbhoom ... ..	3,692	.....	3,692	.....	2	.....	3,694	2,251	.....	.....	.....	.....
Total of Chota Nagpore	3,692	.....	3,692	.....	2	.....	3,694	2,251	40	2,336	.....	.....
Grand total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	17,80,565	1,40,398	18,72,064	52,902	2,27,127	20,683	21,72,781	4,37,633	1,41,671	1,76,639	1,933	1,000
OTHER PROVINCES.												
Assam ... ..	5,950	.....	5,950	.....	.....	.....	5,950	3,350	.....	1,177	.....	6
North-Western Provinces	.....	.....	.....	510	2,236	425	3,171	.....	6,178	93,770	301	.....
Punjab ... ..	.....	.....	.....	.....	11,554	.....	11,554	.....	.....	176	16	.....
Central Provinces ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	728	.....	.....
Rajpootana States ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,017	.....
Bombay ... ..	.....	.....	.....	8	30	35	73	.....	.....	.....	10,782	.....
Madras ... ..	82	.....	82	.....	.....	.....	82	.....	.....	.....	934	.....
Other places ... ..	10,003	.....	10,003	.....	.....	197	10,200	.....	.....	.....	2,453	290
Grand total { In Mar. 1878	17,90,600	1,40,398	18,88,099	53,420	2,49,947	21,845	22,03,811	4,40,983	1,47,849	2,72,320	18,190	1,312
of imports { In Mar. 1877	21,78,572	93,540	22,37,034	4,30,491	2,10,075	41,886	29,29,586	2,82,213	3,40,363	2,91,534	82,362	1,303

\* A maund of paddy is equivalent to 25 seers of rice.

The Sea-borne Trade of Calcutta in these staples during the month of March 1878 was as follows:—

EXPORTED FROM CALCUTTA:—	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
To Indian ports, viz.:												
Madras ...	2,66,578	1,538	3,67,530	1,360	39,029	.....	3,07,927	.....	.....	.....	.....	143
Other ports in Madras ...	3,48,168	600	3,48,544	.....	6,325	400	3,55,260	480	.....	25	.....	53
Bombay ...	3,65,892	13,094	3,74,076	.....	6,662	.....	3,80,738	6,352	.....	.....	.....	132
Other Indian ports ...	23,428	.....	23,428	1,200	12,392	23	37,042	169	1	7	68	44
Total of interport trade ...	10,04,066	15,232	10,13,580	2,560	64,408	422	10,80,976	7,007	1	32	68	371
To Foreign ports—												
United Kingdom ...	54,394	.....	54,394	2,480	.....	.....	56,834	2,90,047	1,78,956	58,744	652	440
Other foreign ports ...	6,23,110	3,502	6,25,390	298	20,090	22,116	6,67,809	21,918	1,739	188	2,537	620
Total of foreign trade ...	6,77,504	3,502	6,78,093	2,768	20,090	22,116	7,24,603	3,17,965	1,80,715	59,922	3,189	1,069
Grand total { In Mar. 1878	16,81,570	18,734	16,93,279	5,318	84,504	22,538	18,03,630	3,24,372	1,80,716	59,954	3,257	1,440
of exports { In Mar. 1877	27,29,076	.....	27,29,076	4,08,708	1,47,984	37,493	33,23,268	3,05,384	2,18,423	82,607	91,574	1,894

\* Taken from the monthly returns of the Custom House, where no information was then available of short shipments and relands as regard grains shipped to free ports.

The following Statement shows the several routes followed by the trade in the principal staples of Traffic imported into Calcutta during the month of March 1878.

## IMPORTS INTO CALCUTTA.

Specification of routes.	FOOD-GRAINS.					Jute, raw.	OIL-SEED.		Cotton, raw.	Silk, raw.
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.		Linseed.	Mustard seed.		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	12,02,838	1,20,747	31,050	1,37,627	3,805	3,08,014	96,757	21,459	1,975	112
.. river steamers ...	842	.....	.....	200	.....	1,05,757	.....	1,177	.....	6
.. rail { East Indian Railway	3,27,069	.....	18,505	95,348	15,308	.....	44,415	2,40,077	2,647	447
.. Eastern Bengal Railway	66,671	.....	12	6,516	1,910	2,391	2,474	376	.....	411
.. road ...	1,79,274	18,621	845	1,450	.....	2,671	5,141	231	45	44
.. sea ...	18,886	7,630	8	.....	232	150	60	.....	13,626	290
Grand total of imports { In Mar. 1878 ...	17,06,600	1,40,368	53,420	2,40,947	21,345	4,40,983	1,47,849	2,72,320	18,196	1,312
{ In Mar. 1877 ...	21,78,672	93,540	4,39,491	2,10,975	41,980	2,82,213	3,40,303	2,91,534	82,302	1,303

The following Statement shows the quantities and values of the principal staples of Traffic exported inland from Calcutta during the month of March 1878.

## EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.	Whither exported.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
<b>BENGAL.</b>				<b>CHOTA NAGPORE.</b>			
	Rs.	Mds.	Mds.		Rs.	Mds.	Mds.
Burdwan ...	2,61,337	1,252	32,508	Hazardehagh ...	38,732	18	2,789
Bankoora ...	50,820	.....	.....	Manbhoom ...	47,823	115	3,807
Baerbhoom ...	.....	440	7,362	Total of Chota Nagpore ...	86,554	163	6,596
Midnapore ...	1,30,683	542	185	Grand total of supplies into the provinces under the Lieutenant-Governor of Bengal.	60,14,884	15,428	5,30,908
Houghly ...	2,05,610	4,446	15,637	<b>OTHER PROVINCES.</b>			
24-Pergunnahs ...	2,31,956	774	18,539	Assam ...	2,91,250	311	23,623
Nudda ...	8,72,618	1,595	19,075	N. W. Provinces ...	32,73,454	2,711	7,868
Jessore ...	377	.....	19,366	Punjab ...	18,15,066	2,584	.....
Moorshedabad ...	2,07,916	228	18,538	Central Provinces ...	80,088	138	.....
Dinapore ...	68,960	.....	1,675	Rajpootana States ...	81,210	74	.....
Rajshahy ...	50,120	7	5,906	Bombay ...	21,150	13	.....
Kungporu ...	33,320	28	400	Madras ...	43,165	612	1
Pubna ...	1,62,900	290	56,239	Other places ...	20,105	312	14
Julpigore ...	35,040	46	.....	Nizam's Territory ...	1,858	.....	.....
Dacca ...	6,44,683	999	60,594	British Burmah ...	6,01,085	2,330	.....
Furzedpore ...	2,38,015	780	46,805	Grand total of exports { 1878	1,22,85,115	24,519	5,62,474
Backergunge ...	28,870	99	19,161	{ in March ... { 1877 ...	92,22,451	22,739	6,03,280
Mymensingh ...	350	.....	2,475	<i>The Sea-borne trade of Calcutta in these staples during the month of March 1878 was as follows:—</i>			
Tipperah ...	1,35,082	297	540	<b>IMPORTED INTO CALCUTTA.</b>			
Chittagong ...	11,308	20	4,520		Rs.*	Mds.	Mds.
Noakholly ...	.....	.....	.....	From Foreign Ports—			
Total of Bengal ...	33,86,053	11,873	3,47,780	United Kingdom ...	88,71,809	13,649	5,10,145
<b>BEHAR.</b>				Other foreign ports ...	14,272	140	73,826
	Rs.	Mds.	Mds.	Total of foreign trade ...	88,86,081	13,789	5,83,971
Patna ...	8,95,785	501	1,00,279	From Indian Ports—			
Shahabad ...	1,37,742	.....	23,997	Madras ...	300	20	.....
Mozufferpore ...	1,12,139	.....	.....	Other ports in Madras ...	530	4	6,500
Durbhanga ...	1,82,034	280	5,254	Bombay ...	20,201	2,133	50,859
Monahy ...	1,75,863	128	8,877	Other Indian ports ...	4,310	.....	.....
Bhagalpore ...	2,45,099	513	17,856	Total of interport trade ...	31,341	2,167	57,359
Purneah ...	3,28,836	246	1,950	Grand total { In March 1878 ...	80,17,422	15,046	8,41,330
Maklah ...	50	.....	6,865	{ In March 1877 ...	90,71,822	30,289	8,16,821
Sonthal Pergunnahs ...	3,62,042	621	11,122				
Total of Behar ...	1,37,646	2,989	1,75,554				
<b>ORISSA.</b>							
	Rs.	Mds.	Mds.				
Cuttack ...	97,781	692	494				
Balasore ...	6,859	611	544				
Total of Orissa ...	1,04,641	1,303	1,038				

\* As per tariff declaration value.

The following Statement shows the several routes followed by the Trade in the principal staples of Traffic exported from Calcutta during the month of March 1878.

Specification of routes.	Cotton piece-goods (European).	Cotton twist (European).	Salt.
	Rs.	Mds.	Mds.
By country boats ...	2,21,633	1,325	2,82,624
.. river steamers ...	4,17,780	493	4,885
.. rail { East Indian Railway	63,34,512	9,003	2,10,193
.. Eastern Bengal Railway	19,70,560	3,250	47,651
.. road ...	4,85,941	5,424	18,085
.. sea ...	8,04,440	4,820	1,053
Grand total of exports { In March 1878 ...	1,22,85,115	24,519	5,62,474
{ In March 1877 ...	92,22,461	22,739	6,03,380

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 4th May 1878.

No.	District. and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, May 4 '78	4.18	Weather—Unusually cool in consequence of daily storms. Public health is fair.
	Cutwa	2.76	
	Bood-Bood	0.44	
	Culna	3.27	
	Jehanabad	2.08	
	2 Bankoora, " 4 "	1.41	Severe thunder and dust-storms every afternoon since the 1st, with violent wind and rain. The rain has done the country good. From the present high price of rice some pressure may be expected before the next crop. Scattered cases of small-pox, measles and cholera, also of cattle disease, are reported.
	3 Beerbhoom, " 6 "	0.26	Weather—still cool and pleasant. No change to report in the state and prospects of the crops.
	4 Midnapore, " 4 "	1.25	Weather—Clear and hot with occasional storms in the evening. The state and prospects of the crops are fair. A few cases of cholera have occurred in the town.
	5 Hooghly, " 4 "	2.49	Storms in the evening of the 30th ultimo and of the 1st instant. Generally cloudy in the evening with rain. Heavy rain on the 1st. Atmosphere generally hot in the day time, but cool in the evening. The sowings of <i>aus</i> , indigo, and jute are going on. The newly planted sugarcane and the vegetables are generally doing well. Sessamum has germinated. A few cases of small-pox have been reported from the interior. Cattle disease still prevails in station Banaberia.
	Howrah, " 6 "	5.05	Weather—much cooler than last week. The rain in Mahesrakha, though not so heavy as at the Sudder, has this week been sufficient for cultivation, and prospects are favorable.
	<i>Central Districts</i>		
	6 24-Pergunnahs, May 4 '78	3.97	The temperature has been cooled during the last three days by thunderstorm each evening. The rain has been general throughout the district, but nowhere so heavy as at head-quarters. It has been most favorable for agricultural purposes. Cholera still continues. Cattle disease is reported from Satkhira.
	7 Nuddea, " 4 "	2.50	Weather—Not very warm. Storms with rain. The early rice has generally been sown and is germinating, but in some localities it is said that the rain has been too heavy for the young seedlings.
PRESIDENCY DIVN.	8 Jessore, " 4 "	5.95	Weather—cool and cloudy. Rain almost daily. The prospects of the crops are at present good. There has been quite enough rain now. A little clear weather is wanted, and with it all ought to be well.
	Jhenida	2.06	
	Magoora	2.02	
	Khoolha	2.72	
	Narail	2.22	
	Bagirhat	2.52	
	9 Moorshedabad, " 4 "	0.05	More rain has fallen in the mofussil than at head quarters. The <i>rubber</i> harvest is finished, and the ploughing for <i>aus</i> and <i>amun</i> is being pushed on. Prices are very high, but not higher than before. Cholera is still prevalent. A few cases of small-pox have been reported from Shahanaggar.
RAJSHAHYE AND COOCH BEHAN DIVN.	10 Dinagapore, " 3 "	0.36	Weather—Close and stormy. The <i>aus</i> crop is in fair progress.
	11 Rajshahye, " 4 "	1.38	There has been slight rain all over the district on several days of the week, which has done some good. The heat has considerably lessened. The cutting of <i>boro dhan</i> has commenced to the west of the district and will soon become general. The sowing of <i>dhan</i> progresses, but more rain is much required to prepare the lands for it. Cholera has abated considerably during the week.
	12 Itanagore, " 3 "	2.84	It has rained four days in the week. The state and prospects of the crops continue to be good. Cholera is still reported from a few places in the district. Public health otherwise is good.
	Gaibanda	2.71	
	Bagdogra	5.33	
	13 Bogra, " 4 "	0.84	Weather—cool for the time of year with some rain towards the end of the week. The crops are reported to be thriving. The rain which fell during the week will do much good. A few cases of cholera have been reported from Sharia-kandi and Panchbibi, and in the latter fever is still prevalent.
	14 Pubna, " 4 "	0.46	Slight showers of rain have been general in the district and have done some good. Weather favorable and cool. <i>Boro dhan</i> is being reaped; the outturn will be about ten annas. The young <i>jali dhan</i> is growing and promises a fair outturn. The young sugarcane is coming up strong and healthy. Cholera still prevails.

\* Reports of 6th show rainfall during the week ending 4th.



No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
RAJSHAHY & COCH BEHAR DIVN.—cont'd.	Central Districts.—(Contd.)		
	15 Darjeeling, May 4 '78	1.91	A good deal of rain for this time of the year. All the crops in the Hills and in the Terai are progressing favorably.
	16 Julpigore, „ 4 „	3.10	Weather—stormy throughout the week, with high winds and heavy rain. The rain has somewhat damaged the <i>bhadoi dhan</i> crop. The <i>haimusti dhan</i> is being sown. In Ruxa sub-division it is reported that hail during the week has slightly damaged the <i>kownee</i> and <i>cheena</i> millets, and that the sowing of <i>bitri dhan</i> has been nearly completed.
	Cooch Behar, „ 2 „	Not given	The showers of rain during the week have cooled the atmosphere. On the night of the 29th ultimo a storm raged for a short time. The prospects of <i>bitri dhan</i> continue good. It will be well if there be no rain for three or four weeks. The sowing of jute has not yet been finished. <i>Cheena</i> will soon be harvested. The price of rice has not come down in the town. Prices are also high in the interior. There have been some deaths from cholera.
Dacca Divn.	Eastern Districts.		
	17 Dacca, May 4 „	1.85	Weather—cool for the time of year with almost daily storms. The state and prospects of the crops are favorable.
	Moonsheegunge „	0.69	
	Manickgunge „	0.27	
	18 Furreedpore, „ 4 „	0.76	The weather during the week has been generally cloudy and very cool for the season. The rain which has fallen has done good. The prospects of the crops are good.
	Gonlundo „	0.84	
	Madaripore „	4.17	
CHITTAGONG DIVN.	19 Backergunge, „ 2 „	0.45	There has been rain on one or two days in the week throughout the district. Weather hot and cloudy. More rain is still wanted, but ploughing is going on. Health is generally improved, but cholera is still bad in the north-east. Cattle disease is reported in one thana.
	20 Mymensingh, „ 3 „	2.17	Occasional short storms with heavy rain. The state of the young rice and jute is satisfactory.
	21 Tipperah, „ 3 „	0.40	Weather—cloudy, with storms of thunder, lightning, and wind, but with little or no rainfall. The sowing of <i>aus dhan</i> is very nearly completed. <i>Amun dhan</i> is being sown in some places.
	Sub-division „	0.90	
	22 Chittagong, „ 2 „	1.04	Weather—fine, with several showers. The state of the crops is good. The late rain has done much good. Prices are slightly lowered.
	23 Noakholly, „ 2 „	0.2	Weather—seasonable. Slight rain fell on the night of the 30th. The cultivation of the early rice crop continues. Public health is good.
PATNA DIVN.	24 Chittagong Hill Tracts, Apl. 30 „	0.6	Weather—very hot throughout the week. The burning of the jooms is nearly over. The joomias have begun to sow their early seedlings in their jooms. Rain is badly wanted for the <i>aus</i> paddy crop.
	Hill Tipperah, May 1 „	0.70	The weather has been very hot during the day, but cool at night. Thunderstorms are frequent. The joom cultivation has begun. The sowing of the <i>aus</i> crop continues.
	BEHAR.		
PATNA DIVN.	25 Patna, May 4 '78	0.39	Weather—unusually cool. No change in the state and prospects of the crops since last report.
	26 Gys, „ 4 „	0.20	Weather—stormy, overclouded, and muggy. Maximum thermometer in the shade 107.2°. No change in the prospects of the crops to report. Prices are rising. <i>Mohwa</i> is so much an article of food that the price at the Sudder station has risen from 60 to 18 seers for the rupee.
	27 Shahabad „ 4 '78	0.35	Weather—Cloudy and stormy. The sugarcane and <i>cheena</i> crops have benefitted by the slight showers of rain which fell during the week. Cholera and small-pox are prevalent towards Buxar and Bubooah sub-divisions.
	28 Durbhunga, „ 4 „	0.50	Slight showers have fallen in various parts of the district which have done good. In the eastern tracts cholera is on the increase, but in the rest of the district health is good.
	29 Mozufferpore, „ 4 „	Nil	Weather—cool and unsettled. There have been frequent dust-storms during the week, which have injured the prospects of the mango season. A good deal of maize has been sown in Seetamurhee sub-division, and in other parts of the district preparation of lands for <i>bhadoi</i> sowings is going on.
	Hajeepore „	0.19	
	Seetamurhee „	0.16	
	30 Sarun, „ 4 „	0.71	Weather—more or less cloudy, with dust-storms and strong east wind in the evenings. There has been slight rain in almost all parts of the district, and a good shower on the night of the 1st at the head-quarters station. Nothing important to report on the state of the crops. Prices have slightly risen. Public health is good.
	Sewan „	0.09	
	Gopalgunge „	0.30	
	31 Champaran „ 4 „	0.59	There has been a slight shower of rain. Weather hot during the day. West winds prevailing. The late rain has benefitted the indigo crop. The <i>rubbee</i> has been harvested; the outturn is ten annas as was estimated before. The grain market is steady.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR—(Contd.)</b>			
BAGULPORE DIVISION.	32 Monghyr, May 4 '78 Begusarai ...	0.07 0.04	Storms with mild weather. The state and prospects of the crops are the same as before.
	33 Bhagulpore " 4 "	1.40	Weather—cool, rainy, and very unseasonable. This unseasonable rain is enabling the ryots to prepare their lands for the autumn crop. Cholera is dying out.
	34 Purneah, " 4 " Kusengunge ...	1.45 1.31	Weather—stormy, with constant showers. Wind north-westerly. The prospects of the crops are good. The late rains have interfered with the weeding of indigo. Cholera is on the decrease.
	35 Maldah, " 4 "	1.76	Frequent storms preceded by intense heat. Heavy showers with thunder and lightning. The rain was much wanted. Cultivation for the rice crop is now making rapid progress. The late stormy weather has damaged the mango crop. Prices are still high. Health is good.
	36 Sonthal Pergah, " 5 " Deoghur ... Gudha ... Rajmehal ...	1.35 0.9 0.18 2.5	Weather—very cool for this season of the year. The rain has facilitated ploughing operations.
<b>ORISSA.</b>			
ORISSA DIVN.	37 Cuttack ...	...	Return not received.
	38 Pooree, May 2 "	Nil	Weather—hot. The early <i>dahua</i> rice is almost harvested. The late <i>dahua</i> rice is dying in many places for want of rain. Ploughing for the next crop has stopped. Water in the tanks and wells is failing. Common rice sells at 11½ to 11¾ seers per rupee. Rice is still exported by land to the Madras Presidency. Cholera is reported from some parts of the district.
	39 Balasore " 3 "	2.25	Thunderstorms accompanied by rain have been frequent. The weather continues favorable for cultivation, and ploughing and sowing are making good progress. Public health is good.
<b>CHOTA NAGPORE</b>			
<i>South-West Frontier Agency.</i>			
40	Hazaribagh, May 3 '78	0.30	Weather—Unsettled; unseasonable. No change to report. Prospects have not improved. The prices of food-grains are extremely high. Cases of cholera and small-pox are still reported.
41	Lohardugga, " 4 "	0.30	Weather—seasonable and warm during the first part of the week; cool again since the last two days owing to recent rain. The lands are being ploughed all over the district, and <i>gora dhan</i> and <i>goondli</i> are being sown. The prices of all food-grains are very high, and are reported to be still rising in Palamow. The Sub-Divisional Officer also states that the supplies in the markets are weekly getting less. There is a good deal of small-pox about and in Palamow; otherwise the health of the district is generally good. A great deal of mortality among cattle is reported in Palamow and other parts of the district.
42	Singbhoom, " 3 "	1.00	The whole week has been very hot, but on the 2nd it rained heavily and this has made the weather cool and pleasant. Apparently there is more rain in store. Everything is satisfactory. A few cases of cholera are still reported from the mofussil.
43	Manbhoom, " 4 "	0.11	Weather—stormy during the week. Nothing new to report about the crops. Ploughing is going on. From enquiries made in different parts of the district, there is reason to believe that persons unfit for regular labour, and those who in ordinary seasons are dependent on charity will suffer. Ryots are believed to be well off. Strong labourers will emigrate and are emigrating.

\* Report of 5th shows rainfall during the week ending 4th.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 7th May 1878.D. BARBOUR,  
Offg. Secy. to the Gort. of Bengal.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULLEWH MILLET— CUMBOO, BAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.						
BENGAL.																									
Western Districts.																									
1	Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Beerbhoom	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Central Districts.																									
...	Calcutta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	24-Pergunnahs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Nuddea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Moorshedabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Dinapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11	Rajahshye	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Rangpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Bogra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Pubna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Julpigoree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																									
17	Dacca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Furreedpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Backergunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Mymensingh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

A In the interior the prices range as follow :—Wheat 10 to 12½ seers, barley 19 to 20 seers, best rice 11 to 13 seers, common rice 12 to 13½ seers, and gram 11 to 14½ seers.  
B In the interior the prices range as follow :—Wheat 10½ to 13 seers, barley 18 to 36 seers, best rice 11 to 16 seers, common rice 12 to 17 seers, maize or Indian-corn 18 to 38 seers, and gram 12 to 13 seers.  
C In the interior the prices range as follow :—Wheat 11½ to 15 seers, barley 21 to 23 seers, best rice 12 to 14 seers, common rice 12½ to 14½ seers and gram 12½ to 19 seers.  
D In the interior the prices range as follow :—Wheat 10 to 12 seers, barley 14 to 18 seers, best rice 7 to 10 seers, common rice 10 to 11 seers, and gram 11 to 13 seers.  
E In the interior the prices range as follow :—Wheat 10 to 11½ seers, barley 15½ to 16 seers, best rice 0½ seers, common rice 10½ to 12 seers, and gram 10 to 11½ seers.  
F In the interior the prices range as follow :—Wheat 7 to 10 seers, best rice 9 to 11 seers, common rice 10 to 13 seers, and gram 9 to 11½ seers.  
G In the interior the prices range as follow :—Wheat 12 to 19 seers, barley 27 to 38 seers, best rice 10 to 11 seers, common rice 12 to 14 seers, and gram 16 to 21 seers.

undermentioned Districts of Bengal for the Fortnight ending 30th April 1878.

## THE SEER OF 80 TOLAHS.

GRASS MILLETS— CHOLU, JOWAR.						LESSER MILLETS— RAGI OR MURWA AND CHHENA.						MAIZE OR INDIAN- CORN.						GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
BENGAL.																											
Western Districts.																											
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.			
...	...	...	...	...	...	...	...	...	12 8	13 12	24 0	120 0	120 0	160 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	Burdwan.		
...	...	...	...	...	...	28 0	30 0	38 0	11 8	12 0	20 0	440 0	440 0	480 0	8 8	8 8	8 8	8 10	8 8	8 8	8 10	8 8	8 8	8 10	Bankoora.		
...	...	...	...	...	...	...	...	...	12 8	12 0	25 0	200 0	200 0	200 0	8 8	8 8	8 8	8 8	8 8	8 8	8 8	8 8	8 8	8 8	Beerbhoom.		
...	...	...	...	...	...	...	...	...	12 0	12 0	20 0	160 0	180 0	260 0	8 8	8 8	8 8	9 0	8 8	8 8	9 0	8 8	8 8	9 0	Midnapore		
...	...	...	...	...	...	...	...	...	11 0	12 0	21 0	120 0	120 0	120 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	Hooghly.		
...	...	...	...	...	...	...	...	...	7 8	14 0	19 0	100 0	100 0	120 0	9 12	9 8	10 0	10 0	9 8	10 0	10 0	9 8	10 0	10 0	Howrah.		
Central Districts.																											
...	...	...	...	...	...	...	...	...	11 0	12 8	18 0	64 0	64 0	100 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	Calcutta.		
...	...	...	...	...	...	...	...	...	10 0	12 0	16 0	90 0	80 0	85 0	10 0	8 12	9 0	9 0	8 12	9 0	9 0	8 12	9 0	9 0	24-Pergunnahs.		
...	...	...	...	...	...	...	...	...	13 5½	14 8	22 8	120 0	120 0	120 0	9 6	8 14	9 2½	9 2½	8 14	9 2½	9 2½	8 14	9 2½	9 2½	Nudda.		
...	...	...	...	...	...	...	...	...	11 4	12 0	22 12	110 0	110 0	120 0	8 4	8 0	8 0	8 0	8 4	8 0	8 0	8 0	8 0	8 0	Jessore.		
...	...	...	...	...	...	...	...	...	15 4	16 0	32 0	120 0	120 0	120 0	8 0 to 9 0	8 0 to 9 0	7 0 to 9 0	7 0	8 0 to 9 0	8 0 to 9 0	7 0 to 9 0	7 0	8 0 to 9 0	8 0 to 9 0	Moorshedabad.		
...	...	...	...	...	...	...	...	...	12 8	14 9	15 0	180 0	140 0	180 0	8 0	8 0	8 0	8 4	8 0	8 0	8 4	8 0	8 0	8 4	Dinapore.		
...	...	...	...	...	...	...	...	...	15 12	15 12	33 12	120 0 to 160 0	160 0	320 0	8 10	9 4	9 0	9 0	8 10	9 4	9 0	9 0	8 10	9 4	Rajahahye.		
...	...	...	...	...	...	...	...	...	9 2	12 0	15 0	107 0	107 0	107 0	7 8	7 8	7 8	7 8	7 8	7 8	7 8	7 8	7 8	7 8	Rungpore.		
...	...	...	...	...	...	...	...	...	12 0	12 0	15 0	67 8	67 8	67 8	7 14	8 4	8 4	8 4	7 14	8 4	8 4	8 4	8 4	8 4	Bogra.		
...	...	...	...	...	...	...	...	...	12 0	15 0	24 0	200 0	200 0	200 0	8 8	8 8	9 0	9 0	8 8	8 8	9 0	9 0	8 8	8 8	Pubna.		
...	...	...	16 0	16 0	9 0	11 0	11 0	18 0	6 0	6 0	8 0	160 0	160 0	160 0	4 0	4 0	4 8	4 8	4 0	4 0	4 8	4 8	4 8	4 8	Darjeeling.		
...	...	...	...	...	...	...	...	...	8 0	...	16 0	64 0	64 0	98 3	7 3	6 5	7 0	7 0	7 3	6 5	7 0	7 0	6 5	7 0	Julpigoree.		
Eastern Districts.																											
...	...	...	...	...	...	...	...	...	12 12	13 0	22 13	90 0	80 0	97 0	8 14	8 14	8 14	8 14	8 14	8 14	8 14	8 14	8 14	8 14	Dacca.		
...	...	...	...	...	...	...	...	...	16 0	16 0	18 0	...	...	...	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	9 0	Furreedpore.		
...	...	...	...	...	...	...	...	...	12 0	12 0	14 0	100 0	100 0	100 0	8 8	8 8	8 8	8 8	8 8	8 8	8 8	8 8	8 8	8 8	Backergunge.		
...	...	...	...	...	...	...	...	...	13 8	13 8	13 8	...	...	...	8 8	8 8	8 12	8 12	8 8	8 8	8 12	8 12	8 12	8 12	Mymensingh.		

H In Raygunge the prices are—Wheat 12½ seers, best rice 12½ seers, common rice 14 seers, and gram 16 seers.

I In Natore the prices are—Wheat 15 seers, best rice 9½ seers, common rice 12 seers, and gram 12 seers.

J In Gaibanda the prices are—Wheat 15 seers, best rice 15 seers, and gram 15 seers.

K In Serajunge the prices are—Wheat 12 seers, best rice 7 seers, common rice 12 seers, and gram 13 seers.

L In the interior the prices range as follow:—Best rice 5½ to 10 seers, common rice 10 to 14 seers, and gram 8 seers.

M In the interior the prices range as follow:—Wheat 10 seers, best rice 8 to 10½ seers, common rice 9 to 13½ seers, and gram 8 to 10½ seers.

N In the interior the prices range as follow:—Best rice 10 to 13 seers, common rice 12½ to 14 seers, and gram 10½ to 16 seers.

O In the interior the prices range as follow:—Best rice 7 to 12 seers, common rice 11 to 13 seers, and gram 12 to 13 seers.

P In the interior the prices range as follow:—Best rice 10½ to 13 seers, common rice 11½ to 14 seers, and gram 11 to 13 seers.

Q In the interior the prices range as follow:—Wheat 10 to 13 seers, best rice 7 to 14 seers, common rice 13 to 15½ seers, and gram 8 to 13 seers.

## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			HULRUSH MILLET— CUMBOO, RAJEA.					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts—(Contd.)																			
21	Chittagong	R 7 0	7 0	11 0	...	...	...	7 0	8 0	8 0	10 0	10 0	13 0	...	...	...			
22	Noakholly	S ...	...	...	...	...	...	8 0	9 0	10 0	10 0	13 0	15 0	...	...	...			
23	Tipperah	9 0	10 8	12 0	...	...	...	12 0	12 0	13 0	13 0	13 5	19 0	...	...	...			
24	Chittagong Hill Tracts	...	...	...	...	...	...	7 4	8 0	10 0	8 0	8 14	10 10½	...	...	...			
	Hill Tipperah	8 5	8 0	10 5	...	...	...	12 0	14 0	16 0	15 0	16 0	26 0	...	...	...			
BEHAR.																			
25	Patna	14 12	14 8	19 0	20 0	19 0	34 0	9 8	9 0	14 0	15 0	14 0	21 0	...	...	...			
26	Gya	T 13 8	13 8	25 0	18 0	18 8	34 0	7 8	7 8	13 0	10 0	10 0	21 8	...	...	...			
27	Shahabad	U 12 8 to 13 0	13 8 to 14 0	18 0 to 19 0	17 0 to 18 0	17 0 to 18 0	28 0	10 0 to 11 0	11 0 to 11 8	18 0	11 8 to 11 12	12 0	20 8	...	...	...			
28	Durbhunga	V 13 8	13 8	18 8	19 8	22 0	30 12	10 0	10 0	15 4	12 0	12 8	17 0	...	...	...			
29	Mozufferpore	W 12 0	13 0	21 0	17 0	19 0	32 0	7 0	7 0	11 0	11 0	11 0	15 0	...	...	...			
30	Saran	12 0	13 0	16 0	18 8	18 8	32 13	6 12	7 8	10 8	11 0	11 0	19 0	...	...	...			
31	Chumparun	X 14 0	14 0	20 0	22 0	22 0	44 0	9 0	9 0	9 0	11 8	12 0	18 0	...	...	...			
32	Monghyr	Y 11 5	12 6	18 9	15 7	21 0	31 5	8 4	8 4	12 6	10 5	10 5	16 8	...	...	...			
33	Bhagulpore	Z 11 5	11 15	18 15	17 11	20 3	38 0	8 13	10 1	15 2	10 1	11 5	18 15	...	...	...			
34	Purneah	Z1 13 0 to 14 0	15 0 to 16 0	23 0 to 24 0	...	...	...	11 0	12 0 to 13 0	24 0	13 0 to 14 0	13 0 to 14 0	25 0	...	...	...			
35	Maldah	12 0	13 0	20 0	20 0	25 0	45 0	10 0	10 0	23 0	12 0	12 0	20 0	...	16 0	32 0			
36	Sonthal Pergunnahs	Z2 9 8	9 0	23 0	...	...	28 0	10 0	10 0	20 0	11 0	11 0	24 0	14 0	...	32 0			
ORISSA.																			
	Cuttack	10 8	10 8	15 12	...	...	...	8 0	10 8	13 2	13 2	14 7	19 11	...	...	...			
	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
	Balasore	9 0	10 0	16 0	...	...	...	13 0	10 0	21 0	16 0	14 0	32 0	...	...	...			
CHOTA NAGPORE.																			
South-Western Frontier Agency.																			
	Hazareebagh	Z3 10 8	11 8	23 0	...	...	...	9 0	9 0	12 0	11 8	12 0	24 0	...	...	...			
	Lohardugga	Z4 9 0	8 0	26 0	18 0	18 0	40 0	12 0	12 0	24 0	14 0	14 0	38 0	...	...	...			
	Singbhoon	14 0	14 0	26 0	36 0	36 0	40 0	14 0	14 0	20 0	22 0	22 0	40 0	...	...	...			
	Manbhoon	Z5 8 8	8 8	20 0	22 0	24 0	32 0	12 0	13 0	20 0	16 8	17 0	30 0	...	...	...			

\* Return not received.

† In the interior the price of common rice ranges from 14½ to 21 seers.

R In the interior the prices range as follow :—Best rice 8 to 8 seers, and common rice 8 to 10 seers.

S In the interior the prices range as follow :—Best rice 8 to 13 seers, and common rice 9 to 14 seers.

T In the interior the prices range as follow :—Wheat 12 to 14½ seers, barley 17½ to 18½ seers, best rice (at Jahanabad) 8 seers, common rice 10 to 10½ seers, and gram 12½ to 15½ seers.

U In the interior the prices range as follow :—Wheat 12 to 13½ seers, barley 16 to 17 seers, best rice 7½ to 10 seers, common rice 9 to 12½ seers, maize or Indian-corn 14½ to 16 seers, and gram 13 to 14 seers.

V In Mudhoobani the prices are—Wheat 16 seers, barley 25 seers, best rice 12½ seers, common rice 14 seers, Murwa 21 seers, maize or Indian-corn 21 seers, and gram 14 seers.

W In the interior the prices range as follow :—Wheat 12 to 20½ seers, barley 15 to 26½ seers, best rice 8 to 14 seers, common rice 10½ to 15 seers, lesser millets 19½ to 24 seers, maize or Indian-corn 13 to 25 seers, and gram 12½ to 22 seers.

X In the interior the prices range as follow :—Wheat 18½ to 16 seers, barley 19 to 25 seers, best rice 7½ to 10 seers, common rice 9½ to 13 seers, maize or Indian-corn 17 to 20 seers, and gram 11 to 20 seers.

CALCUTTA,

The 7th May 1878.

## mentioned Districts of Bengal for the Fortnight ending 30th April 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIRBWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	

Eastern Districts—(Contd.)

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	
...	...	...	...	...	...	..	..		10 0	10 0	8 0	120 0	120 0	120 0	4 0	7 8	8 0			Chittagong.
...	...	...	...	...	..	..	.	...	13 0	10 0	13 0		...		8 0	8 0	7 8			Noakholly.
...	...	...	...	...	...	...	.	...	11 0	11 0	13 0	.		...	8 8	8 8	8 13			Tipperah.
...	...	...	...	..	..	...	...	..	...	..	..	320 0	320 0	200 0	6 6	6 6	7 9			Chittagong Hill Tracts.
...	...	...	...	..	.	.	...	..	10 5	10 5	12 5	.	..	...	8 0	8 0	8 0			Hill Tipperah.

BEHAR.

...	...	...	...	...	...	18 0	18 0	37 8	16 8	15 12	31 0	160 0	160 0	110 0	8 0	8 0	8 0	Patna.
...	...	...	...	...	...	...	...	...	13 8	13 8	27 0	160 0	160 0	180 0	8 0	8 0	8 0	Gya.
14 0	15 0	25 8	14 0	{ 14 0 to 14 8 }	28 0	...	...	...	{ 13 0 to 13 8 }	{ 13 8 to 14 0 }	30 8	180 0	180 0	160 0	9 0	8 12	9 0	Shahabad.
...	...	...	17 8	20 12	31 12	16 12	18 8	28 8	14 4	14 4	27 8	176 0	181 0	176 0	8 0	8 0	8 8	Darbhanga.
...	...	...	...	...	...	14 0	16 0	29 0	13 0	13 0	24 0	160 0	160 0	110 0	8 0	8 0	8 8	Muzafferpoore.
16 0	16 0	35 0	17 0	17 0	30 8	16 0	16 4	34 0	13 0	13 8	29 0	200 0	180 0	160 0	8 4	8 0	8 4	Saun.
...	...	...	...	...	32 0	19 0	20 0	32 0	15 0	16 0	32 0	...	...	...	7 8	7 8	7 12	Champaran.
...	...	...	...	...	...	15 7	15 7	29 4	14 1	13 6	29 4	126 0	147 0	108 0	8 4	8 4	8 4	Monghyr.
...	...	...	...	...	...	15 2	16 5	30 9	14 6	14 3	29 0	157 8	161 9	157 12	8 13	8 13	7 9	Biagalpore.
...	...	...	...	...	...	...	...	...	{ 13 0 to 14 0 }	{ 13 0 to 14 0 }	27 8	160 0	160 0	160 0	7 8	7 8	8 0	Patneah.
...	...	...	...	...	...	...	...	15 0	14 0	15 0	34 0	160 0	160 0	130 0	8 0	8 8	8 4	Maddah.
...	...	...	...	...	...	...	...	32 0	10 0	11 0	24 0	200 0	200 0	230 0	8 0	8 0	8 0	Southal Pergas.

ORISSA.

...	...	...	31 0	21 0	22 5	...	...	...	15 12	15 12	19 11	200 0	200 0	200 0	11 0	11 0	11 8	Cuttack
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree *
...	...	...	...	...	...	...	...	...	9 0	9 0	11 0	120 0	102 8	160 0	6 0	6 4	8 0	Balasore.

CHOTA NAGPORK.

South-Western Frontier Agency.

...	...	...	16 0	17 0	33 0	13 8	16 0	30 0	11 0	12 8	21 0	240 0	240 0	240 0	7 12	8 0	8 0	Hazareebagh.
...	...	...	21 0	24 0	40 0	...	...	...	13 0	14 0	27 0	160 0	160 0	180 0	7 0	7 0	7 0	Lohardugga.
...	...	...	...	...	...	...	...	...	14 0	14 0	24 0	320 0	320 0	320 0	6 8	6 8	6 8	Singbhoom.
...	...	...	64 0	64 0	64 0	...	...	40 0	9 0	9 0	21 0	100 0	200 0	200 0	8 0	8 0	8 0	Maubhoom.

Y In Begu Serni the prices are—Wheat 13½ seers, barley 21 seers, best rice 8½ seers, common rice 11½ seers, great millet 16½ seers, lesser millets 21 seers, maize or Indian-corn 17½ seers, and gram 16½ seers.

Z In the interior the prices range as follow:—Wheat 13 to 17 seers, barley 17 to 21 seers, best rice 10 to 14 seers, common rice 11½ to 16 seers, murwa 21 to 24 seers, and gram 13 to 14 seers.

21 In the interior the prices range as follow:—Wheat 12 to 20 seers, best rice 11 to 12 seers, common rice 13 to 15 seers, and gram 13 to 17 seers.

22 In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 16 to 21½ seers, best rice 10 to 13 seers, common rice 12 to 14 seers, maize or Indian-corn 13 to 21 seers, and gram 12 to 17 seers.

23 In the interior the prices range as follow:—Wheat 11 to 12 seers, barley 15 seers, common rice 11 to 12 seers, lesser millets 15 to 16 seers, maize or Indian-corn 13 to 13½ seers, and gram 12 to 13 seers.

24 In the interior the prices range as follow:—Wheat 12 to 12½ seers, barley 15½ to 25 seers, best rice 10½ to 14 seers, common rice 11½ to 16 seers, mowah (at Daltongunge) 27 seers, murwa (at Lohardugga) 24 seers, and gram 12 to 17 seers.

25 At Raipore the prices are as follow:—Wheat 10 seers, best rice 18 seers, common rice 20 seers, maize or Indian-corn 40 seers, and gram 10 seers.

Published for general information.

D. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

## WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt.

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILL— CUMBOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 14 0	3 12 0	...	2 10 0	2 8 0	...	7 7 0	7 0 0	...	4 4 0	4 0 0	...	...	...	...
2	Serajunge ...	3 2 0	4 0 0	...	...	...	...	5 0 0	5 0 0	...	3 4 0	3 4 0	...	...	...	...
3	Dacca ...	3 14 0	3 14 0	...	1 5 0	1 5 0	...	3 6 0	3 4 0	...	3 0 0	3 0 0	...	...	...	...
4	Naraingunge...	...	...	...	...	...	...	3 4 0	3 3 0	...	3 2 0	3 0 0	...	...	...	...
5	Chittagong ...	...	...	...	...	...	...	5 4 0	4 15 0	...	4 0 0	3 15 0	...	...	...	...
6	Patna ...	2 12 0	2 12 0	...	2 0 0	2 1 0	...	4 3 0	4 7 0	...	2 10 9	2 14 0	...	...	...	...
7	Balasore ...	4 0 0	3 12 0	...	...	...	...	2 14 0	3 2 0	...	2 4 0	2 8 0	...	...	...	...
8	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	3 10 0	3 10 0	...	...	...	...	4 12 0	3 10 0	...	3 0 0	2 10 0	...	...	...	...

\* Return not received.

CALCUTTA,  
The 7th May 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 30th April 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHHENA.			MAIZE OR INDIAN CORN.			GRAM.			FIRWOOD.			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
...	...	...	...	...	...	...	...	...	3 10 0	3 4 0	...	0 9 0	0 9 0	...	4 8 0	4 4 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	3 0 0	3 8 0	...	...	...	...	4 6 0	4 6 0	...	Seraingunge.
...	...	...	...	...	...	...	...	...	3 0 0	3 1 0	...	0 5 0	0 6 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 10 0	3 6 0	...	0 11 0	0 10 0	...	4 5 6	4 5 3	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	2 3 6	2 3 6	...	2 7 0	2 9 0	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 2 0	4 4 0	...	0 5 1	0 5 9	...	5 12 0	6 0 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	1 12 0	1 2 0	...	...	...	...	2 6 0	2 6 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

D. BARBOUR,  
*Offg. Secy. to the Govt. of Bengal.*



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 14th to 20th April 1878.	Rain from 21st to 27th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.	Burdwan ...	1.10	Nil	4.81	21st April		
		Cutwa ...	Nil	0.42	1.58	ditto		
		Culna ...	0.90	0.21	7.00	ditto		
		Blood-Blood ...	0.67	Nil	4.34	ditto		
		Rancegunga ...	Nil	0.27	2.80	ditto		
		Jehanabad ...	0.14	0.32	5.20	ditto		
		Bankoora ...	0.74	Nil	7.81	27th April		
		Beerbhoom ...	0.04	0.13	3.13	ditto		
		Hetampore ...	0.06	0.03	1.81	ditto		
		Roypore ...	0.03	Nil	2.00	ditto		
		Midnapore ...	Nil	0.90	3.53	ditto		
		Midnapore ...	Tumlook ...	Not recd.	0.25	3.86	ditto	Not received 14th to 20th April.
			Ghattal ...	1.30	Nil	6.62	ditto	
			Contai... { Dy. Collr.'s Office ...	Nil	0.35	2.98	ditto	

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 14th to 20th April 1878.	Rain from 21st to 27th April 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL—continued.								
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.			
	Dacca	Dacca... { Telegraph Office ...	0.02	Not recd.	5.93	20th April		
		Dacca	Dacca... { Hospital ...	Nil	0.80	6.20	27th April	
	Dacca	Moonshuggunge ...	ditto	0.33	5.84	ditto		
		Manickgunge ...	ditto	2.28	5.81	ditto		
	Furzedpore	Furzedpore ...	ditto	1.91	11.09	ditto		
		Goalundo ...	0.06	0.33	1.22	ditto		
		Madanipore ...	Nil	1.29	11.39	ditto		
	Backergunge	Burrisal ...	ditto	1.29	4.10	ditto		
		Perozepore ...	ditto	0.78	3.67	ditto		
		Patookhally ...	ditto	1.23	3.39	ditto		
Bhola ...		ditto	1.17	3.92	ditto			
Mymensingh	Mymensingh ...	0.08	2.63	9.05	ditto			
	Jamulpore ...	0.10	1.98	5.68	ditto			
	Atia ...	Nil	1.24	4.51	ditto			
	Kishoregunge ...	0.43	1.74	8.96	ditto			
CHITTAGONG.	Chittagong	Chittagong { Telegraph Office	Nil	Nil	4.50	ditto		
		Chittagong	Chittagong { Jail ...	ditto	ditto	5.29	ditto	
		Cox's Bazar ...	ditto	ditto	4.62	ditto		
	Noakhally	Noakhally ...	ditto	1.79	6.65	ditto		
		Fenny ...	ditto	0.69	3.13	ditto		
	Tipperah	Comillah ...	ditto	0.80	9.65	ditto		
		Brahmunbariah ...	ditto	1.05	9.22	ditto		
	Chittagong Tracts.	Rangamatce Hill ..	ditto	0.14	6.94	ditto		
		Ruma ...	ditto	Nil	6.30	ditto	From 17th February.	
	Hill Tipperah	Hill Tipperah ...	0.11	0.44	9.38	ditto		
BEHAR.	Patna	Patna ...	0.16	0.05	1.81	ditto		
		Behar ...	Nil	Nil	1.44	ditto		
		Barh ...	0.16	ditto	1.44	ditto		
		Dinapore ...	0.60	Not recd.	2.27	26th April		
	Gya	Gya ...	0.02	0.63	2.14	27th April		
		Nowadah ...	Nil	Nil	2.31	ditto		
		Anrungaabad ...	0.40	ditto	2.16	ditto		
		Jehanabad ...	Nil	ditto	2.41	ditto		
	Shahabad	Arrah ...	0.10	ditto	2.48	ditto	Not received 24th Feb. to 2nd Mar.	
		Sasseram ...	0.25	ditto	1.51	ditto		
		Buxar ...	0.08	ditto	3.38	ditto	Ditto 24th to 30th March.	
		Bluhooah ...	0.01	0.49	3.21	ditto		
	Mozufferpore	Mozufferpore ...	0.50	0.11	2.15	ditto		
		Hajepore ...	0.08	Nil	1.18	ditto		
		Seetamurhee ...	0.15	0.42	4.40	ditto		
	Durbhunga	Durbhunga ...	Nil	0.11	1.40	ditto	Not received 7th to 13th April.	
		Mudhoobuunee ...	ditto	Nil	0.89	ditto		
	Sarun	Tajpore ...	ditto	0.26	0.67	ditto		
Chupra ...		0.06	Nil	1.62	ditto			
Chumparun	Sarun ...	0.73	0.08	2.91	ditto			
	Motiharee ...	0.51	0.69	2.73	ditto			
Monghyr	Bettiah ...	0.77	Nil	2.41	ditto			
	Segowlee ...	0.57	0.88	3.85	ditto			
	Monghyr ...	0.01	Nil	1.36	ditto			
Bhagulpore	Begoesrai ...	Nil	ditto	2.51	ditto			
	Jaincoee ...	0.05	ditto	1.72	ditto			
	Bhagulpore ...	0.05	0.09	3.48	ditto			
	Soopool ...	Nil	Not recd.	0.10	20th April			
	Muddehpooora ...	ditto	1.20	2.20	27th April			
Purneah	Banka ...	0.14	0.06	2.70	ditto			
	Sonburea ...	Nil	0.20	1.40	ditto			
	Purneah ...	0.33	0.70	3.49	ditto			
	Kissengunge ...	0.78	1.25	3.89	ditto			
	Arrareah ...	0.40	2.40	6.56	ditto			
Southl Pergunnahs	Nya Doomka ...	Nil	0.20	1.31	ditto			
	Rajmehal ...	ditto	1.50	4.75	ditto			
	Deoghur ...	ditto	Not recd.	2.07	20th April			
Godda	Godda ...	ditto	Nil	1.32	27th April			

DIVISION.	DISTRICTS.	STATIONS.	Rain from 14th to 20th April 1878.	Rain from 21st to 27th April 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	0.40	Nil	1.10	27th April	
		... { Hospital	0.22	Not recd.	1.88	20th April	
		Jajpore	0.40	ditto	0.80	ditto	
		Kendraparah	0.30	ditto	1.70	ditto	
		Jagatsingapore	Nil	ditto	0.70	ditto	
		False Point	0.40	0.30	1.40	27th April	
	Pooree	Pooree	Nil	Nil	0.18	ditto	
		Khurdah	ditto	0.07	10.91	ditto	
	Balasore	Balasore...	0.04	1.18	7.01	ditto	
		Bhadrack	0.31	0.44	3.86	ditto	
		Jellasore	0.15	1.10	6.45	ditto	
		Sorah	Nil	0.92	5.30	ditto	
	Cuttack Tributary Mehala.	Chandbally	0.21	0.50	3.57	ditto	
		Sumbalpor	1.35	Not recd.	2.19	20th April	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh... { Jail	0.66	0.01	2.69	27th April	
		... { Dispensary	0.72	0.04	2.50	ditto	
		Pachamba	0.22	Nil	1.73	ditto	
	Lohardugga	Ranchee	1.76	ditto	6.07	ditto	
		Palamow	0.50	ditto	2.14	ditto	
	Singbhoom	Chyebassa	0.90	ditto	5.49	ditto	
	Manbhoom	Purulia	0.97	ditto	7.67	ditto	
		Goviudpore	Nil	0.07	2.74	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	0.17	3.02	21.71	ditto	
	Sibsagar	Sibsagar	1.61	Not recd.	10.71	20th April	
		Golaghat	1.33	ditto	18.25	ditto	
		Jorhat	0.90	ditto	8.70	ditto	
		Akyab	Nil	Nil	0.80	27th April	
	Rajpootana	Alwar	ditto	ditto	1.20	ditto	
		Jaipur	ditto	0.03	1.63	ditto	
		Sambhar	ditto	Nil	0.40	ditto	

CALCUTTA,  
The 4th May 1878.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of India,  
in charge Meteorological Office, Bengal.

## Meteorological Telegraphic Report for the period 28th April to 4th May 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity sat. at 100.	WIND.		Rain.	Clouds.	Weather initials.	
					Dry.	Wet.		Direction.	Velocity.				
ALIPORE.	April 28th	10	29.862	29.883	92.5	76.1	45	S S W	7.7	.....	.....	b	
	16	29.725	29.742	91.8	75.0	31	S S W	11.7	.....	.....	b		
	29th	10	29.832	29.853	90.8	80.0	61	S	7.3	0.01	K	c	
	16	29.970	29.991	90.5	79.5	60	S S W	14.8	.....	.....	PC	c	
	30th	10	29.804	29.825	90.0	79.7	59	S S W	10.0	.....	FK	c	
	16	29.692	29.713	91.0	81.0	63	S S W	15.0	.....	.....	C	c	
	May 1st	10	29.843	29.864	89.0	81.7	52	S W	9.3	.....	.....	PC, FK	c
	16	29.730	29.751	89.3	80.6	67	S	11.2	.....	.....	PC	c, g, l.	
	2nd	10	29.865	29.887	86.0	75.8	61	E by N	3.0	0.76	C, CS	c	
	16	29.712	29.734	88.7	79.1	64	S by W	5.7	.....	.....	IC	c	
	3rd	10	29.864	29.890	82.2	74.0	66	S S	6.3	2.18	C, K	c	
	16	29.755	29.776	90.2	75.0	47	S S W	4.7	.....	.....	PC, CS	c, f	
SAUGOR ISLAND.	4th	10	29.819	29.851	81.0	70.0	68	E by S	6.8	0.13	.....	h	
	16	29.660	29.681	89.8	78.0	57	S W by S	8.5	.....	.....	.....	h	
	April 28th	10	29.842	29.884	81	80	66	S	11.1	.....	.....	h, m	
	16	29.751	29.760	81	82	73	S	14.9	.....	.....	.....	h, m	
	29th	10	29.857	29.863	88	82	76	S	15.3	.....	P, FK	b, m	
	16	29.704	29.712	88	82	76	S S E	18.1	.....	.....	P, FK	b, m	
	30th	10	29.831	29.847	89	82	73	S S W	14.3	.....	FK	b, m	
	16	29.714	29.720	89	82	73	S	18.2	.....	.....	FK	b, m	
	May 1st	10	29.870	29.876	88	82	76	S S W	22.2	0.10	FK	c, m	
	16	29.759	29.765	88	82	76	S	16.7	.....	.....	P, FK	b, m	
	2nd	10	29.860	29.866	88	81	73	S	20.1	.....	FK	b, m	
	16	29.752	29.758	88	81	73	S	6.9	.....	.....	P, FK	b, m	
CHITTAGONG.	3rd	10	29.888	29.894	85	78	72	S N W	3.9	.....	P	h	
	10	29.777	29.783	88	81	73	S	9.3	.....	.....	CK	h	
	4th	10	29.825	29.831	88	80	69	S S E	4.3	.....	CK	h	
	16	29.685	29.691	90	82	70	S S W	16.2	.....	.....	FK	b, m	
	April 28th	10	29.834	29.825	91	81	63	S S W	4.8	.....	K, CK, FK	m	
	29th	10	29.811	29.825	91	80	60	S	6.3	.....	K, PK	o	
	30th	10	29.784	29.774	91	79	67	S	5.7	.....	K	o	
	May 1st	10	29.848	29.840	83	75	67	E	1.0	1.00	K	o	
	2nd	10	29.815	29.808	81	77	84	S	5.0	0.20	PK	c, f	
	3rd	10	29.815	29.806	89	81	60	Caln	5.1	.....	PK	o	
	4th	10	29.817	29.811	76	74	91	N	4.3	0.30	PK	o	
	ARYAB.	April 28th	10	29.828	29.819	91	79	67	W S W	5.3	.....	.....	b
29th		10	29.821	29.811	92	80	67	S S W	3.7	.....	K	.....	
30th		10	29.800	29.811	91	79	61	S	3.1	.....	K	.....	
May 1st		10	29.810	29.811	90	80	63	S	2.9	.....	K	.....	
2nd		10	29.888	29.909	91	80	60	S W	4.2	.....	K	.....	
3rd		10	29.853	29.864	88	79	66	W N W	5.7	.....	CK	r	
4th		10	29.813	29.824	88	81	73	S W	2.9	.....	CK, K	.....	
April 28th		10	29.841	29.875	87	82	80	E	5.5	.....	.....	h	
29th		10	29.828	29.860	88	84	80	N W	3.8	.....	.....	h	
30th		10	29.808	29.839	87	83	81	W N W	4.2	.....	.....	h	
May 1st		10	29.832	29.873	81	83	77	S W	5.2	.....	.....	h	
2nd		10	29.808	29.819	89	81	80	W N W	7.2	.....	.....	h	
DIAMOND ISLAND.	3rd	10	29.914	29.955	81	83	77	N W	8.9	.....	.....	h	
	4th	10	29.919	29.910	89	82	75	N W	7.8	.....	.....	h	
	April 28th	10	29.791	29.871	98	73	29	S	3.9	.....	K, C	.....	
	29th	10	29.762	29.811	97	76	39	W	4.2	.....	.....	h	
	30th	10	29.750	29.818	95	79	17	S	7.8	.....	.....	h	
	May 1st	10	29.774	29.818	96	81	5	S S W	7.6	.....	.....	h	
	2nd	10	29.772	29.857	94	89	52	S S W	4.8	.....	C, CK	.....	
	3rd	10	29.797	29.877	91	73	39	W S W	3.8	.....	.....	h	
	4th	10	29.754	29.841	92	77	48	N N W	3.5	.....	.....	h	
	April 28th	10	29.886	29.904	91	80	60	S	6.7	.....	.....	h	
	29th	10	29.859	29.954	93	83	64	S S E	9.0	.....	C, CK	h	
	30th	10	29.814	29.829	92	82	64	S S E	10.6	.....	C, CK	h	
VIZAGAPATAM KAISE POINT.	May 1st	10	29.879	29.884	91	81	63	S W	9.1	.....	C, CK	c	
	2nd	10	29.854	29.869	91	81	63	S S W	6.0	.....	CK, C	h	
	3rd	10	29.889	29.901	88	76	56	W	6.9	.....	C, CS	h	
	4th	10	29.821	29.836	93	80	55	S S E	5.3	.....	C, CK	h	
	April 28th	10	29.881	29.912	90	79	60	S	2.2	.....	.....	b	
	29th	10	29.801	29.892	91	80	61	S W	2.6	.....	.....	h	
	30th	10	29.814	29.875	90	80	63	S S W	3.9	.....	.....	h	
	May 1st	10	29.884	29.915	90	80	63	S W	3.3	.....	.....	h	
	2nd	10	29.884	29.915	90	80	61	S by W	3.1	.....	.....	h	
	3rd	10	29.910	29.910	84	76	56	W by N	3.3	.....	.....	h	
	4th	10	29.866	29.877	89	77	59	S W by S	1.2	.....	.....	h	
	CUTTACK.	April 27th	10	29.963	29.985	93	81	68	E by N	6	.....	.....	h
16		29.830	29.852	91	80	60	E by S	10	.....	.....	h		
28th		10	29.925	29.941	92	79	54	E S E	10	.....	.....	h, c	
16		29.791	29.813	92	81	61	E S E	14	.....	.....	h, c		
20th		10	29.905	29.927	93	81	58	S E by S	9	.....	.....	h, c	
18		29.765	29.787	89	80	66	S E by S	15	.....	.....	h		
30th		10	29.882	29.904	91	80	69	S E by E	10	.....	.....	h, c	
18		29.764	29.786	90	78	56	S E by E	14	.....	.....	h		
May 1st		10	29.838	29.920	93	80	55	S E by E	19	.....	.....	h, c	
16		29.11	29.834	91	80	60	E by S	11	.....	.....	h, c		
2nd		10	29.897	29.919	93	81	58	S E by E	11	.....	.....	h, c	
3rd		10	29.772	29.794	90	79	63	S E by E	12	.....	.....	h, c	
MADRAS.	4th	10	29.920	29.942	94	83	61	S by E	8	0.01	.....	c	
	16	29.801	29.833	88	79	66	S E by S	8	.....	.....	.....	h, c	
	April 28th	10	29.872	29.912	88	80	69	S E	26	0.10	C	h	
	29th	10	29.870	29.910	87	81	70	S S W	1.7	.....	C	h	
	30th	10	29.602	29.602	86	80	76	S by E	5.0	0.10	C	h	
	May 1st	10	29.840	29.880	87	81	76	S S E	3.1	0.80	C	h	
	2nd	10	29.862	29.902	86	81	80	N	4.0	.....	C	h	
	3rd	10	29.880	29.920	85	81	83	N	3.7	0.40	C	h	
	4th	10	29.875	29.915	85	80	79	S	5.5	1.20	C	h	
	COLOMBO.	May 1st	10	29.840	29.880	87	81	76	S S E	3.1	0.80	C	h
		2nd	10	29.862	29.902	86	81	80	N	4.0	.....	C	h
		3rd	10	29.880	29.920	85	81	83	N	3.7	0.40	C	h
4th		10	29.875	29.915	85	80	79	S	5.5	1.20	C	h	

\* Velocity of wind in miles per hour.

Results of the Meteorological Observations taken at the Alipore Observatory from  
28th April to 4th May 1878.

Month.	Date.	Maximum in sun.	Mean pressure, barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tensi.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
April	28th	155.9	29.8/1	84.3	98.2	20.7	77.5	76.1	0.784	71.9	65	S S W and S	198	Nil	Day clear, night partially cloudy and so.
"	29th	153.7	77.0	83.8	95.4	15.6	72.8	78.0	.879	75.3	75	S and E S E	244	0.01	Cloudy, c, g, t, tr.
"	30th	151.7	77.0	81.7	92.0	21.2	71.7	74.9	.772	71.6	71	Till 1½ A.M. N through E till 4 P.M. S through E and S E, till 6½ P.M. E through W and N, till midnight S W through N and W.	280	Nil	Morning clear, day and night cloudy, c, g, t, tr, and p.
May	1st	155.2	.797	79.8	92.2	20.2	72.0	76.7	.680	75.4	87	Till 4 P.M. S, till 6 P.M. N by W through W and N W, till 8 P.M. S through N and E, till midnight S, back again round W, N and E.	184	*0.94	Cloudy, c, g, t, tr, d, and p.
"	2nd	153.7	.827	78.0	91.8	21.8	70.2	74.5	.808	72.8	81	Till 10 A.M. E through W and N, till 7 P.M. S through S E, till midnight N E through W and N W.	169	†0.76	Cloudy, c, g, tr, t, d and p.
"	3rd	149.5	.807	78.3	90.1	18.4	72.0	73.1	.749	70.6	78	Till 2 A.M. S through E and S E, till 3 A.M. W through S W, till 5 P.M. S through S W, till 9 P.M. S back again round W, N and E, till 10 P.M. W by N through S W, till midnight S through S W.	140	‡2.18	Cloudy, c, g, t, tr, d and p.
"	4th	150.4	.753	77.9	91.2	18.0	73.2	74.1	.790	72.1	82	Till 7 A.M. E through W and N, till 8 P.M. S through S E, till midnight S E by E.	199	§2.13	Partially cloudy, c, g, t, tr, p and p.

\* Fell at 7.20 P.M. of the 30th April | † Fell at 6 P.M. of the 1st May. | ‡ Fell at 7 P.M. of the 2nd. | § Fell at 10½ P.M. of the 3rd.

The mean pressure of the seven days

The average pressure of the corresponding period for 25 years, S. G. Office

The mean temperature of the seven days

The average temperature of the corresponding period for 25 years, S. G. Office

The extreme variation of temperature during the seven days

The maximum temperature during the seven days

The mean relative humidity during the seven days

The average relative humidity of the corresponding period for 25 years, S. G. Office

The total fall of rain from 28th April to 4th May 1878

The average fall of the corresponding period for 25 years, S. G. Office

The total fall from 1st January to 4th May 1878

The average fall of the corresponding period for 25 years, S. G. Office

The mean pressure, temperature, &c, are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers.

All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

w dew, o overcast, g gloomy, t thunder, tr lightning reflection, l lightning, d drizzling, p passing temporary showers.

METEOROLOGICAL OFFICE, INDIA,  
The 6th May 1878.

ALEXANDER PEDLER,  
For Offg. Meteorological Reporter to the Government of India.

**Abstract of the results of the Meteorological Observations taken at the Alipore  
Observatory in the month of April 1878.**

	Inches.	Date.	Hour.
The mean pressure of the month ...	29.826		
The average pressure of 25 years ...	29.755		
The highest pressure during the month ...	30.013	14th	10h.
The lowest pressure during the month ...	29.635	11th	16h.
The range of pressure during the month ...	0.378		
<hr/>			
The mean temperature of the month ...	82.2		
The average temperature of 25 years ...	84.5		
The highest temperature during the month ...	102.1	4th	16h.
The lowest temperature during the month ...	68.3	9th	6h.
The range of temperature during the month ...	33.8		
The mean daily range of temperature during the month ...	18.4		
The greatest range of temperature in one day during the month ...	24.1	4th	
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The mean humidity during the month ...	73		
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The mean vapour tension during the month ...	0.807		
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The average humidity of 25 years ...	69		
<hr/>			
The average vapour tension of 11 years ...	0.847		
The mean cloud proportion of the month ...	3.27		
<hr/>			
The total rainfall of the month ...	3.18		
The average fall of 50 years ...	2.34		
The greatest fall in 24 hours ...	0.99	13th	
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The number of rainy days in the month ...	8		
The average number of rainy days of 25 years ...	8		
<hr/>			
The mean maximum equilibrium temperature of solar radiation of the month ...	153.3		
The mean difference of sun and air temperatures ...	59.3		
The greatest sun temperature ...	159.9	27th	
The greatest excess of sun over air temperature ...	65.3	17th	
The mean temperature of nocturnal radiation thermometer on woollen cloth ...	71.2		
The mean depression of nocturnal radiation thermometer below the minimum of air ...	4.3		
The greatest depression of nocturnal radiation thermometer below the minimum of air ...	10.8	8th	
<hr/>			
The mean movement of the wind per day ...	189.6		
The greatest movement of the wind in one day ...	297.0	10th	
The greatest movement of the wind in one hour ...	29.0	8th	9h.
The number of hours under each of the 8 points— N36, NE22, E53, SE43, S243, SW241, W48, NW33, Calm 1.			

The results of the observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1° or 1½° lower; and finally, the thermometer, which has furnished the record of temperature, at the Surveyor General's Office during the last 20 years and upwards, is found to read 0.6° higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

JOHN ELIOT, M.A.,

*Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA, the 6th May 1878.

GOVERNMENT OF BENGAL.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

KHURREEF SEASON 1877-78, COMMENCING ON THE 1st JUNE 1877.  
RUBBEE SEASON 1878-79, COMMENCING ON THE 1st DECEMBER 1877.

Irrigation Operations of Lower Bengal during the month of December 1877.

Circles.	District.	Canal.	SUPPLY OF WATER IN THE CANALS.			FIVE YEARS LEASES.		THREE YEARS LEASES.				ANNUAL LEASES.				SUGAR-CANE.		GRAND TOTAL.		RAINFALL.			REMARKS.	
			Estimated full discharge in cubic feet per second.	Average discharge in cubic feet per second throughout the month.	Estimated day discharge utilized.	Five years lease.		Three years lease.		Annual lease.		Grand total.	Sugarcane.	Rubber.	Khurreef.	Rubbree.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Total.	Inches during the season.		Average of ten previous years of the same period.
						Acr.	Acr.	Acr.	Acr.	Acr.	Acr.													
Orissa	Cuttack	{ Kandapara Patna canal H. G. Levee, Section I T. Bandah Machena }	1,250	451																				
			1,675	109																				
			1,395	154																				
			600	Not known.																				
			Total of the month																					
		Total of the corresponding month of previous year																						
South-Western	{ Midnapore Howrah }	{ Midnapore Panchkoora }	87	403																				
			501	25																				
			Total of the corresponding month of previous year																					
Bome	{ Shahabad Arrah Gya and Patna }	{ Main Western Arrah Patna }	4,342	1,503																				
			1,660	775																				
			1,466	452																				
			Total of the month																					
		Total of the corresponding month of previous year																						
		Grand Total of the month																						
		Grand total of the corresponding month of previous year																						

R. T. HAIG, Col., R.E.,  
Joint Secy. to the Government of Bengal  
in the P. W. Dept., Irrigation Branch.

The 26th April 1878.

GOVERNMENT OF BENGAL.  
PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

KHURREEF SEASON 1877-78, COMMENCING ON THE 1ST JUNE 1877.  
RUBBEE SEASON 1878-79, COMMENCING ON THE 1ST DECEMBER 1877.  
*Irrigation Operations of Lower Bengal during the month of January 1878.*

CIRCLE.	DISTRICT.	CANAL.	SUPPLY OF WATER IN THE CANALS.		FIVE YEARS' LEASES.				THREE YEARS' LEASES.				ANNUAL LEASES.				SUGAR-CANE.		GRAND TOTAL.				RAINFALL.		REMARKS.																																																																																																																																																																																																																																																																																	
			Estimated full discharge in cubic feet per second.	Average discharge in cubic feet per second.	Discharge utilized.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.		Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	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Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased during the month.	Leased up to end of the month.	Acr.	Leased

F. T. HAIG, Col., R.E.,  
Joint Secy. to the Government of Bengal  
in the P. W. Dept., Irrigation Branch.

The 26th April 1878.



## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 27th April 1878 on 1,279½ miles open.

	No. of passengers.	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN					
		Coaching receipts.				Weight carried.	Receipts.				Coaching.	Merchandise.	Total.			
		Rs.	A. P.	£	s. d.	Mds. s.	Rs.	A. P.	£	s. d.	Rs.	A. P.				
Total traffic for the week	144,175½	2,40,770	0 9	22,070	11 9	1,43,34,114	10	5,33,109	4 9	49,326	13 9	7,78,879	5 6	50,287	94,831½	145,118½
Or per mile of railway	188 2 3	188	2 3	17	4 11			120 7 8	38	10 11		608 9 11				
For previous 16 weeks of half-year	2,269,831½	33,23,455	13 9	304,650	2 5	2,27,33,224	10	8,672,005	6 11	776,693	19 11	1,17,96,361	4 8	730,075	1,607,557½	2,401,212½
Total for 17 weeks	2,414,007	35,64,025	14 6	326,720	14 2	2,41,66,338	20	90,11,014	11	8,266,009	13 8	1,25,75,240	10 2	786,962	1,762,369	2,549,331
COMPARISON.																
Total for corresponding week of previous year	158,620½	1,58,131	5 9	14,495	7 6	14,46,614	10	5,79,666	15 0	53,136	2 9	7,37,794	4 9	44,335	116,542	160,877
Per mile of railway, corresponding week of previous year	123 9 0	123	9 0	11	6 6	.....		452	15 3	41	10 5	576	8 3	.....	.....	.....
Total to corresponding date of previous year	2,121,592½	37,31,782	7 5	312,080	1 2	2,24,43,519	0	93,77,890	3 8	8,539,639	13 9	1,31,09,672	11 1	807,383	1,735,817	2,543,205

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 27th April 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week .. ...	9,869½	30,751 5 3	3,643 17 5	2,33,778 0	66,714 1 0	6,115 9 1	1,06,165 6 3	6,530½	15,403½	21,934½
Or per mile of railway .. ...		177 10 7	16 5 8		298 2 7	27 6 8	475 13 2			
For previous 16 weeks of half-year	126,344	3,47,130 4 6	31,820 5 6	24,59,890 0	7,09,119 8 3	65,005 7 6	10,50,279 12 9	77,907½	158,254	236,251½
Total for 17 weeks .. ...	136,212½	3,86,881 9 9	35,464 2 11	26,84,668 0	7,75,863 9 3	71,120 16 7	11,62,715 3 0	84,828	173,657½	258,485½
COMPARISON.										
Total for corresponding week of previous year .. ...	6,523½	21,008 12 0	1,925 16 0	2,29,829 0	57,167 8 3	5,267 17 2	78,476 4 3	4,866	17,135	21,501
Per mile of railway, corresponding week of previous year .. ...	.....	93 14 4	8 12 2	.....	256 13 5	23 10 10	350 11 9	.....	.....	.....
Total to corresponding date of previous year .. ...	129,705	4,82,620 10 9	44,232 14 4	41,69,126 10	10,47,512 13 3	98,024 15 5	15,29,972 10 0	86,623	270,377	336,999

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 27th April 1878 on 158½ miles open.

	Number of passengers.	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.				Total Receipts.
		Coaching receipts.		Weight carried.	Receipts.			
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.	
Total traffic for the week ... ..	49,889	26,077 12 0	2,445 9 3	2,24,520 34	44,291 9 4	4,080 1 3	6,505 10 6	
Or per mile of railway ... ..	315	168 9 2	15 6 1	1,418 6	279 14 3	25 13 1	41 2 2	
For previous 16 weeks of half-year ...	674,325	5,49,508 12 4	50,971 12 9	30,92,610 32	7,10,024 3 4	67,835 10 11	1,18,207 3 8	
Total for 17 weeks ...	724,114	5,76,186 8 4	52,917 2 0	33,17,131 26	7,84,315 12 8	71,895 12 2	1,24,712 14 2	
COMPARISON.								
Total for corresponding week of previous year	49,915½	24,026 10 6	2,292 8 10	3,03,881 35	51,703 4 3	4,739 14 10	6,942 3 8	
Per mile of railway, corresponding week of previous year	315	151 13 2	13 18 4	1,329 11	326 11 10	29 19 0	43 17 4	
Total to corresponding date of previous year	619,273	4,45,453 2 2	40,831 1 0	35,73,165 2	6,57,918 2 8	60,400 16 8	1,01,234 0 8	

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 11.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	Total decrease in 1878.
			17th March 1877.	16th March 1878.	To 17th March 1877.	To 16th March 1878.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
16th March	Northern Bengal	172		15,606 0 0		95,339 0 0	95,339 0 0	...
30th "	Tirhoot	82	4,731 0 0	7,010 0 0	48,476 0 0	91,125 0 0	42,649 0 0	...
23rd "	Calcutta and South-Eastern	28	2,195 0 0	7,721 0 0	23,172 0 0	33,118 0 0	9,946 0 0	...
16th "	Nalhati	27½	1,554 0 0	2,603 0 0	19,236 0 0	24,136 0 0	4,900 0 0	...
	Total	309½	8,480 0 0	32,940 0 0	90,884 0 0	2,43,619 0 0	1,52,785 0 0	...

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts

No. 12.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	Total decrease in 1878.
			25th March 1877.	23rd March 1878.	To 24th March 1877.	To 23rd March 1878.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
23rd March	Northern Bengal	172		22,562 0 0		1,17,720 0 0	1,17,720 0 0	...
31st April	Tirhoot	82	3,532 0 0	7,406 0 0	52,034 0 0	1,01,530 0 0	49,496 0 0	...
6th "	Calcutta and South-Eastern	28	2,392 0 0	2,378 0 0	25,564 0 0	35,150 0 0	9,586 0 0	...
23rd March	Nalhati	27½	1,488 0 0	2,467 0 0	20,664 0 0	26,003 0 0	5,339 0 0	...
	Total	309½	7,412 0 0	34,813 0 0	98,296 0 0	2,81,399 0 0	1,83,045 0 0	...



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MAY 15, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## REPORTS ON THE STATE OF THE SALT MARKET FOR THE 'THIRD QUARTER OF 1877-78.

No. 238B, dated Fort William, the 16th April 1878.

From—J. F. BRADBURY, Esq., Offg. Secy. to the Board of Revenue, L. P.,

To—The Secretary to the Govt. of Bengal, Revenue Department.

I AM directed by the Board of Revenue to submit the following report on the state of the salt market for the third quarter of 1877-78, comprising the months of October, November, and December last.

HON'BLE C. T. BUCKLAND.

2. The quantity of salt consumed (i.e. the quantity of total clearances of salt of every description) in the quarter under report amounted to 18,63,236 maunds 26 seers 9 chittacks, against 24,66,463 maunds 35 seers 2 chittacks in the previous quarter, and 23,01,683 maunds 30 seers 13 chittacks in the corresponding quarter of the previous year; and the total amount of duty levied was Rs. 57,62,213-4, against Rs. 76,07,460-1-1 and Rs. 71,58,591-9-8 in the previous and corresponding quarters respectively.

3. The quantity of excise salt sold in Cuttack, Balasore, Pooree, and the 24-Pergunnahs during the present quarter from the stock of the different

seasons' manufacture, and the quantity which remained in store at the close of the quarter, are shown in the following Table I:—

TABLE I.

	CUTTACK.		BALASORE.				
	Manufacture of		Manufacture of				
	1874-75.	1876-77.	1873-73.	1873-74.	1874-75.	1875-76.	1876-77.
	Mds. s. c.	Mds. s.	Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.	Mds. s. c.
Balance at close of the last quarter.	298 18 8	5,980 25	538 19 1	864 0 13	3,274 15 0	73,154 9 8	35,488 13 0
Imported or added during the quarter.	.....	.....	.....	.....	.....	.....	.....
Total ...	298 18 8	5,980 25	538 19 1	864 0 13	3,274 15 0	73,154 9 8	35,488 13 0
DEDUCT—							
Sales during the quarter ...	.....	4,000 0	.....	.....	356 10 0	31,172 21 0	8,517 25 0
Wastage ... ..	.....	.....	.....	.....	640 26 0	.....	12 30 0
Total ...	.....	4,000 0	.....	.....	996 30 0	31,172 21 0	8,500 15 0
Balance at close of the quarter	298 18 8	1,980 25	538 19 1	864 0 13	2,277 19 0	41,981 28 8	26,927 38 0

  

	POORER.				24-PERGUNNAHS.	
	Manufacture of				Manufacture of	
	1873-74.	1874-75.	1875-76.	1876-77.	1875-76.	1876-77.
	Mds. s.	Mds.	Mds. s. c.	Mds. s. c.	Mds.	Mds.
Balance at close of the last quarter.	1,197 39	672 0	26,532 21 0	29,105 39 8	7,464	33,589
Imported or added during the quarter.	.....	.....	.....	.....	.....	.....
Total ...	1,197 39	672 0	26,532 21 0	29,105 39 8	7,464	33,589
DEDUCT—						
Sales during the quarter	.....	.....	14,492 0 0	3,800 0 0	4,000	.....
Wastage ... ..	264 39	300 3	2,341 5 15	.....	.....	.....
Total ...	264 39	300 3	16,833 5 15	3,800 0 0	4,000	.....
Balance at close of the quarter	933 0	371 37	9,699 15 1	25,305 39 8	3,464	33,589

It will be seen from the above that the total clearances or sales of excise salt during the quarter under review amounted to 66,368 maunds 16 seers, against 1,17,372 maunds 11 seers in the previous quarter, and 82,512 maunds 20 seers in the corresponding quarter of the previous year.

4. The subjoined Table II shows the total importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter under review and the corresponding quarters of the previous two years:—

TABLE II.

DESCRIPTION OF SALT.	THIRD QUARTER OF 1875-76.		THIRD QUARTER OF 1876-77.		THIRD QUARTER OF 1877-78.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool Pungah ... ..	23,27,451	13,11,521	21,09,306	16,99,588	9,50,309	13,91,528
Foreign Kurkutch ... ..	3,80,473	2,43,247	4,36,650	2,73,201	2,45,073	2,13,916
Indian ditto ... ..	1,45,908	1,51,817	92,948	1,95,343	87,923	1,39,409
Ceylon ditto ... ..	.....	.....	.....	.....	.....	4,000
Total ...	28,53,831	17,06,585	26,38,902	21,68,132	12,83,305	17,48,851

5. The following are the details of the Indian Kurkutch salt shown above:—

TABLE III.

	THIRD QUARTER OF 1875-76.		THIRD QUARTER OF 1876-77.		THIRD QUARTER OF 1877-78.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay ... ..	47,903	82,491	83,205	1,17,155	87,923	1,09,285
Madras ... ..	.....	28,108	.....	5,849	.....	23,574
Cavelong ... ..	63,380	8,510	.....	53,395	.....	.....
Domain ... ..	2,509	8,088	.....	.....	.....	.....
Bate ... ..	2,125	4,500	9,650	16,190	.....	.....
Goa ... ..	.....	2,900	.....	.....	.....	.....
Coconada ... ..	30,000	19,217	.....	.....	.....	500
Tuticorin ... ..	.....	.....	.....	2,754	.....	6,050
Total ... ..	1,45,908	1,51,817	92,946	1,95,313	87,923	1,39,409

6. Table IV gives the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the figures of the previous four quarters:—

TABLE IV.

WHERE STORED.			Third Quarter of 1876-77.	Fourth Quarter of 1876-77.	First Quarter of 1877-78.	Second Quarter of 1877-78.	Third Quarter of 1877-78.
			Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea	Government	Golahs	30,98,193	27,35,773	24,86,529	21,09,901	19,24,330
Ditto	Private	ditto	8,91,228	9,76,392	8,73,494	7,97,259	5,17,806
Chittagong	Government	ditto	1,39,012	1,29,372	1,02,168	73,634	1,18,679
Ditto	Private	ditto	27,768	23,208	13,790	.....	.....
Balasore	ditto	ditto	.....	.....	.....	3,615	5,448
Total			41,57,201	38,61,745	34,90,981	29,81,460	25,66,283

7. Table V exhibits the despatches of salt from Calcutta by water and the three railways passing the several salt pass-stations into the interior of the country, both east and west of the river Hooghly, during the quarter under review and the corresponding quarters of the previous two years:—

TABLE V.

PERIOD.	By Ballikhal.	By Sankrail.	By Gewa-khaloo.	By Kidder-pore.	By Ballia-ghatta.	By the East Indian Railway or Howrah.	By Eastern Bengal Railway and Calcutta and South-Eastern Railway, or Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Third quarter of 1875-76	3,53,102	1,10,791	75,892	2,38,147	5,46,789	4,03,635	31,509
Ditto ditto 1876-77	5,31,494	1,23,315	60,040	2,63,983	4,74,710	5,05,899	1,33,691
Ditto ditto 1877-78	4,77,931	1,21,784	52,457	1,34,887	3,97,837	4,66,778	1,50,867

The quantity of salt despatched by the East Indian Railway to stations beyond Buxar in the quarter under review amounted to 41,351 maunds, as noted in the margin, against 38,306 maunds in the previous quarter, and 9,029 maunds in the corresponding quarter of the previous year.

	Mds.
October ... ..	13,699
November ... ..	17,755
December ... ..	9,897
Total ... ..	41,351

8. The shipments of Liverpool salt for the port of Calcutta, according to published market reports, were as follow :—

						Tons.
October	...	...	...	...	...	8,927
November	...	...	...	...	...	8,798
December	...	...	...	...	...	5,844
Total						23,569

There were no shipments during the quarter under report for the port of Chittagong.

9. The market prices per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter, as compared with those obtaining during the same period last year, are illustrated in the subjoined Table VI :—

TABLE VI.

DESCRIPTION OF SALT.	Prices on the 15th October		Prices on the 31st October		Prices on the 15th November		Prices on the 30th November		Prices on the 15th December.		Prices on the 31st December.	
	1876.	1877.	1876.	1877.	1876.	1877.	1876.	1877.	1876.	1877.	1876.	1877.
Liverpool Pungah	Rs. 40	Rs. 47	Rs. 50	Rs. 53	Rs. 52	Rs. 55	Rs. 45	Rs. 43	Rs. 49	Rs. 71	Rs. 49	Rs. 70
French Kurkutch	39	43	35	41	45	40	40	40	41	40	39	47
Jeddah ditto	47	41	38	39	45	40	55	44	44	45	45	49
Bombay ditto	44	30	44	31	42	31	40	48	35	45	36	43
Madras ditto	37	50	36	51	37	51	38	51	35	51	35	51
Italian ditto	39	42	35	41	45	41	40	41	41	41	39	55
Muscat ditto	44	32	32	37	40	37	41	30	40	38	42	41
Rock ditto	100	90	86	85	85	85	85	95	85	95	85	110
Ceylon ditto	44	42	44	41	44	41	44	41	44	41	44	41

10. In Table VII are shown the total quantities of salt that were available for the private export trade at the several depôts in the Madras Presidency on the first day of each of the three months in the quarter under report, and the corresponding quarters of 1875-76 and 1876-77 :—

TABLE VII.

MONTHS.					1875-76.	1876-77.	1877-78.
					Mds.	Mds.	Mds.
October	...	...	...	...	6,17,920	.....	3,83,600
November	...	...	...	...	5,50,675	8,56,421	3,56,580
December	...	...	...	...	4,96,100	.....	.....

11. The following table specifies the quantities of sea-imported salt admitted into bond and cleared from bond and shipboard at Chittagong and Balasore during the quarter under review and the corresponding quarter of 1876-77 respectively :—

TABLE VIII.

PORT.	DESCRIPTION OF SALT.	ADMITTED INTO BOND.		CLEARED.	
		Third Quarter of 1876-77.	Third Quarter of 1877-78.	Third Quarter of 1876-77.	Third Quarter of 1877-78.
Chittagong	Liverpool Pungah	Mds. 90,903	Mds. 68,386	Mds. 49,541	Mds. 46,209
	Madras Kurkutch	.....	23,480	1,498	1,358
Balasore	Ditto ditto	.....	2,283	.....	450
Total		90,903	94,079	51,039	48,017

No transactions in sea-imported salt during the quarter have been reported from the ports of Cuttack and Pooree.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 11th May 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
• Western Districts.			
BURDWAN DIV.	1 Burdwan, May 11 '78	2.13	The prospects of <i>til</i> and cotton are good. The recent rain has in most places facilitated the preparation of the land for the early rice crop, but in some places there has been more rain than enough. Public health is the same as before.
	Culna	4.35	
	Cutwa	2.73	
	Bood-Bood	2.4	
	Jehanabad	2.87	
	2 Bankoora, " 11 "	1.10	Weather—very cool, with thunder-storms almost every evening, accompanied by rain. Sugarcane is being planted. The rice lands are being ploughed. The rain has done good generally.
	3 Beerbhoom, " 11 "	2.89	Weather—too cool and moist to be called seasonable. There was a very heavy fall of rain on the night of the 6th. The state and prospects of the crops are unchanged. The district has had as much rain as it requires. More at present will not benefit the fields.
	4 Midnapore, " 11 "	0.60	Weather—cooler than last week. Rain and storm almost every evening. The prospects of the crops are fair. A few cases of cholera have occurred both in the town and at Tunlook.
	5 Hooghly, " 11 "	6.12	Weather—unusually wet for this time of the year. Rain almost daily, excepting on the 6th and 7th. Temperature cooler than last week. Heavy rain on the 5th, 8th, and 9th. Sowings are interrupted owing to excess of rain. Vegetables on the ground are slightly injured by hail and repeated rainfall. An immediate cessation of rain is necessary, otherwise the <i>aus</i> crop will be injured. The state of public health is the same as in the last week.
	Howrah, " 13 "	5.19	Weather—unusually cool. Rain fell nearly every night. Cultivation is very forward everywhere, and prospects are favorable. General health is good.
	Mohesrakha	1.23	
• Central Districts			
PRESIDENCY DIV.	6 24-Pergunnas, May 11 "	6.12	There were thunder-storms from the south-west, accompanied by heavy rain every evening during the week. The mornings were fair. The temperature was cool for the season. Ploughing is going on everywhere. There have been some cases of cholera.
	7 Nuddea, " 11 "	0.63	Weather—cool, with storms and rain. The rain has been very heavy in the south of the district. The rice is germinating well, and sowings are still going on. In Bongong, it is said, the rain has been too heavy for the young seedlings. Cholera is abating.
	8 Jessore, " 11 "	2.04	Weather—very cool for the time of year. Rain almost every evening. Through the recent rains the low lands are under water. A week of sunshine is needed now for the crops, which, with a little fine weather, are likely to do well.
	Jhenida	0.82	
	Magoora	2.75	
	Narail	1.33	
	Khoolna	4.43	
	Bagirhat	2.56	
	9 Moorshedabad, " 11 "	2.47	Rain has been general, and the weather cool for the time of year. The state and prospects of the crops are much improved by the rain. Prices are a shade lower in consequence. Cholera is still prevalent in several thanas, and a few cases of small-pox have been reported from Kandi and Shabanugger.
	Lalbagh	1.34	
	Jungypore	1.45	
	Rampore Hat	1.04	
	HAJBHATE AND COOCH BEHAN DIV.	10 Dinagepore, " 10 "	1.57	Weather—close, with frequent heavy storms. The rain has improved the rice crop.
11 Rajshahye, " 11 "		1.95	Weather—cloudy and rainy. Good rain all over the district, which has been most beneficial. The <i>chaitali</i> crop is said to have been an average one in Nattore. The price of coarse rice is 16 kutchas seers per rupee in the Sudder station and 17 seers at Nattore.
12 Rangpore, " 10 "		1.54	There was rain during four days of the week. The state and prospects of the crops continue to be good. The prices of food-grains are very dear. Cholera still exists in places, but the general health of the district is good for this time of the year.
Gaibanda		1.74	
Bagdogra		1.84	
13 Bogra, " 11 "	2.43	Weather—cool and cloudy. There was rain almost daily, attended by high winds at times. The <i>aus</i> and <i>boona aman</i> plants are thriving. <i>Til</i> has been somewhat damaged by the late hailstones. <i>Kherachi</i> is being reaped. Prices in the district range from 13 to 16 pucca seers per rupee. No change for the better in the state of health of the district.	

\* Reports of 13th show rainfall during the week ending 11th.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
Central Districts.—(Contd.)			
RAJSHAHYE & COOCH BEHAR DIVN.—cont'd.	14 Pubna, May 11 '78	1.28	The weather during the week has been generally cloudy and cool for the season. There has been slight rain in almost all parts of the district, which has done some good for the ploughing and for the crops. No change to report in the state and prospects of the crops.
	15 Darjeeling ... ..	.....	Return not received.
	16 Julpigoner, May 11 "	4.32	Weather—cool, stormy and rainy. Reports have been received from the head quarters station that the excessive rain has impeded the progress of sowing the <i>bhadoi dhan</i> . Stormy weather has also been reported from the sub-division. Cholera has appeared in some of the sub-divisional thanas.
	Cooch Behar, " 9 "	4.52	Very severe storms during the early part of the week, with high wind. Weather cool for the time of year. Too much rain. Weeding is retarded, and if the <i>bitri</i> crop is choked or swamped, there will be more or less distress. The crops look well at present every where, but a month's fine weather would do great good now. Rice is still very dear and tobacco very cheap. There has been a little cholera, but generally the season is very healthy.
	Dinbatta ...	4.75	
	Mathabhanga ...	2.89	
Eastern Districts.			
Dacca DIVN.	17 Dacca, May 11 "	3.85	Very heavy rain fell on the 10th instant. Weather extraordinarily cool for the time of year. It is almost cold. The state and prospects of the crops are favorable. The rain will do unmixed good in this district.
	Moonsheegunge ...	3.81	
	Manickgunge ...	1.68	
	18 Furreedpore, " 11 "	1.44	Weather—rainy, with high wind sometimes. The state and prospects of the crops are fair, but sun is now wanted.
	Goalmudo ...	3.06	
	Madaripore ...	3.55	
	19 Backergunge, " 9 "	1.2	There has been rain generally during the week. Ploughing and sowing are progressing well. Cholera and small-pox are still about.
CHITTAGONG DIVN.	20 Mymensingh, " 10 "	5.03	The weather is still very unsettled. Thunder-storms are of almost daily occurrence attended with violent squalls of wind and heavy rain. There has been almost more rain than is required, but the crops promise well. Public health is generally good.
	21 Tipperah, " 10 "	2.18	Storm of wind and rain with thunder and lightning nearly every day. The sowings of <i>aus dhan</i> have been completed, and about three-fourths of <i>amun dhan</i> have been sown. The jute plants are coming up well.
	Sub-division ...	0.38	
	22 Chittagong, " 9 "	1.21	Weather—squally, with north-westerns and some rain. The rain has improved the prospects of the crops. More, however, is wanted for the <i>aus</i> . The <i>pania aus</i> is deficient, owing to want of rain.
	23 Noakholly, " 9 "	0.6	Weather—cool and cloudy for the most part of the week. The cultivation for the early rice crop continues. Public health is generally good.
	24 Chittagong Hill Tracts, " 7 "	2.51	Weather—rainy during the latter part of the week. The fall of rain during the week has done much good to the <i>aus</i> paddy plants, and to the germinating seedlings of the hill people. The hillmen are busily engaged in sowing their crops.
	Hill Tipperah, " 8 "	2.04	There have been several heavy showers. It seems probable that the rainy weather will continue for some days longer. The rain has been of benefit to <i>aus</i> sowings and to the young <i>til</i> crop. Health is good.
BEHAR.			
PATNA DIVN.	25 Patna, May 11 '78	Nil	Weather—unusually cool. Strong easterly winds prevailing. No change in the state and prospects of the crops since last report. Prices continue to rise.
	26 Gys, " 11 "	0.32	Weather—cloudy and windy. Maximum thermometer in the shade 103° 3". There was a short, but very severe, hurricane on the 6th, winding up with heavy rain, and in parts of the district with hail. Some damage was done to <i>cheena</i> , and the prospects of a good mango crop have been materially injured.
	Nowada ...	2.96	
	Jehanabad ...	1.50	
	27 Shahabad, " 11 "	0.57	Weather—rather cool for the time of year. It has been very unsettled during the week, and stormy. Sugarcane and <i>cheena</i> are the only crops on the ground which will be benefitted by the rain. The rain would also enable the people to commence ploughing. Prices continue high.
	28 Durbhunga, " 11 "	0.61	Weather—cloudy and cool, with strong east wind. Slight showers have fallen in various parts of the district which have done good. Cholera appears to be on the decrease.
	29 Mozufferpore, " 11 "	0.77	Weather—cool and stormy. The state of cultivation is promising. Indigo, <i>cheena</i> , and <i>dhan</i> have been benefitted by the rain.
	Seetamurhee ...	0.89	

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Contd.)</b>			
<b>PATNA.—(Contd.)</b>	30 Sarun, May 11 '78	0.88	Weather—cloudy, with strong east wind and dust-storms. There have been slight showers of rain in some parts of the district. The state and prospects of the crops are the same as before. The fields are being prepared for sowing the <i>bhadai</i> crops. Prices are stationary. Public health is good.
	Sewan	0.01	
	Gopalgunge	0.19	
<b>BHAGULPORE DIVISION.</b>	31 Champaran „ 11 „	0.54	Rainfall sufficient. Temperature lowered a little. East wind prevailing throughout the week. There was a good shower of rain during the week, which has done material good for the growth of indigo. The cultivators have also commenced preparing their lands for the <i>bhadai</i> sowing. Prices of food-grains, especially that of rice, have slightly risen on account of non-importations from the neighbouring districts.
	32 Monghyr, „ 11 „	0.94	Slight rain. Weather generally cool. The state and prospects of the crops are the same as before, but the rising of the Ganges gives hopes that the dearah will be inundated this year and give a crop.
	Begoonerni	1.16	
	Jamui	3.12	
	33 Bhagulpore „ 11 „	0.05	Weather—cool, with high easterly winds. The lands are being prepared for the autumn crop.
	34 Purneah, „ 11 „	0.31	Weather—warm during the day, but cool at night. Sky cloudy. Frequent local showers. Cultivation is progressing favorably. Cholera prevails in the north and south-west of the district.
	Kissengunge	1.38	
	Arrareah	1.27	
<b>ORISSA.</b>	35 Maldah, „ 11 „	1.43	Weather—damp and cloudy. Occasional storms with rain. The state and prospects of the crops are good. Prices are unaltered. Health is good.
	36 Sonthal Pergas, „ 12 „	0.98	Weather—very cool for the season. Frequent thunder-storms. There is nothing to add to the last week's report. Ploughing is going on.
	37 Cuttack May 11 '78	2.26	Rain and storms more or less every evening during the week. The rainfall has been ample for cultivation, which is now progressing rapidly. The sowing of early rice has commenced. Apprehension is now over. Prices in some places in the mofussil have fallen slightly. Cases of cholera continue to be reported.
<b>ORISSA DIVS.</b>	38 Pooree „ 9 „	0.02	Weather—hot and cloudy at intervals. The early <i>dahua</i> rice has been harvested. The late <i>dahua</i> rice has suffered in many places for want of rain. Slight showers of rain have been reported from Pipili and Gope, but the rainfall was not sufficient for tillage, nor was it general. The water in the tanks and wells is still falling. Common rice is selling at 11½ to 14½ seers for the rupee. Rice is still exported by land to the Madras Presidency. There is also a barque waiting for cargo in Pooree Roads. In Khoorda the rain has been very beneficial, and ploughing is now going on. Cholera is reported from some parts of the district.
	39 Balasore „ 10 „	1.30	The weather has continued stormy and rainy throughout the week. Part of the new crop is above the ground, but both sowing and ploughing have been interrupted by the wet weather. Public health is good.
<b>CHOTA NAGPORE.</b>			
	South-West Frontier Agency.		
40	Hazareebagh, May 10 '78	1.66	More or less rain for six days out of the seven under report. Weather unseasonable and unusually cool. The week has been a stormy one. There was a heavy hailstorm on the 8th, but fortunately it was not of long duration. The little mango spared by blight has now been entirely lost. The <i>mohwa</i> crop is at an end, and having been consumed for food, it is now abnormally high priced. The ground is being ploughed and broken up all over the district, but no sowing will be attempted for another fortnight.
41	Lohardugga „ 11 „	2.00	Weather—unsettled and unseasonable. The recent very heavy showers have enabled all lands to be ploughed and prepared. The early crops, <i>goondli</i> and <i>gora dhan</i> , are being sown. No change in prices of all food-grains. Small-pox is prevalent in Palamow, and cattle disease is reported from different parts of the district.
42	Singhbhum „ 10 „	2.31	The weather throughout the week has been stormy, and heavy rain fell during the nights. The result is that the weather has been very cool and pleasant. <i>Bera dhan</i> is being sown all over the district. Prices are easy. General health is good, a few cases of sporadic cholera only having been reported from the interior.
43	Manbhoom „ 11 „	2.27	Weather—stormy and unseasonable. Fears are entertained that the rains have set in a month before the time. <i>Gora dhan</i> is being sown. Ploughing is going on. Prospects are not so cheering as reported last week. The ryots are well off on the whole, and will not suffer unless the rain of season fails. The able-bodied labourers at present have only themselves to blame if they do not get their duly food. Enquiries are being made about the infirm. Cholera and small-pox are prevalent.

\* Report of 12th shows rainfall during the week ending 11th.

Published for general information.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 21st to 27th April 1878.	Rain from 28th April to 4th May 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.	1878.			
	Burdwan ...	Burdwan ...	Nil	3.78	8.57	4th May		
		Cutwa ...	0.42	2.76	7.31	ditto		
		Culina ...	0.21	5.52	12.61	ditto		
		Bood-Bood ...	Nil	0.59	4.93	ditto		
		Raneegunge ...	0.27	1.40	4.20	ditto		
	Bankoora ...	Jehanabad ...	0.32	4.45	9.66	ditto		
		Bankoora ...	Nil	1.71	9.52	ditto		
		Beerbhoom ...	Sooree ...	0.43	Not recd.	3.13	27th April	
			Hetampore ...	0.03	ditto	1.81	ditto	
			Roypore ...	Nil	ditto	2.06	ditto	
	Midnapore ...	Midnapore ...	0.90	1.25	4.78	4th May		
		Tumlook ...	0.25	0.80	4.88	ditto	Not received 14th to 20th April.	
		Ghattal ...	Nil	Not recd.	6.02	27th April		
		Contai... { Dy. Collr.'s Office...	0.35	0.42	3.40	4th May		
		Hooghly ...	Exe. Engr.'s Office	0.37	0.27	3.36		ditto
	Hooghly ...		0.03	2.54	6.99	ditto		
	Serampore ...		0.15	1.49	6.81	ditto		
	Howrah ...	Howrah ...	0.43	2.88	8.77	ditto		
Maheshieka ...		0.20	5.05	11.27	ditto			
CENTRAL DISTRICTS.								
PRESIDENCY.	24-Pergunnahs ...	Saugor Island ...	Nil	0.10	2.90	ditto		
		Alipore ... { Observatory ...	0.21	3.8	7.55	ditto		
			Dispensary ...	0.25	4.08	11.4	ditto	
			Jail ...	0.25	3.89	11.38	ditto	
		Busseelhat ...	1.28	2.22	6.95	ditto		
		Baraset ...	0.04	2.05	6.87	ditto		
		Diamond Harbour ...	1.13	1.61	8.19	ditto		
		Barrapore ...	Nil	1.92	5.02	ditto	Not received 7th to 13th April.	
		Satkhina ...	2.30	2.17	10.37	ditto		
		Barrackpore ...	Not recd.	1.31	6.16	ditto	Not received 21st to 27th April.	
		Dum-Dum ...	1.45	2.07	9.28	ditto		
		Kishnaghur ...	1.68	2.50	9.07	ditto		
	Nuddea ...	Bongong ...	1.62	5.35	13.35	ditto		
		Meherpore ...	0.10	2.22	5.93	ditto		
		Chooadanga ...	0.88	2.05	10.11	ditto		
		Kooshtea ...	1.01	Not recd.	7.61	27th April		
		Ranaghat ...	1.91	5.10	16.27	4th May		
		Jessore ...	2.42	5.95	14.85	ditto		
		Narail ...	2.80	2.88	10.49	ditto		
		Khoolna ...	1.39	2.83	8.30	ditto		
		Jhenidah ...	2.08	1.70	12.91	ditto		
		Baghat ...	1.55	2.97	7.33	ditto		
		Magoorah ...	2.07	1.51	11.11	ditto		
		Moorsheadabad ...	Berhampore ...	0.07	0.05	2.43	ditto	
	Rampore Hant ...		2.36	0.14	7.65	ditto		
	Lalbagh ...		0.22	Nil	2.90	ditto		
	Jungypore ...		0.31	1.84	4.24	ditto		
	Azingunge ...		0.05	0.00	3.42	ditto		
	Lalgolla ...		0.66	2.14	4.32	ditto		
	Kandee ...		1.39	Nil	5.82	ditto		
	Dinagepore ...		0.82	1.26	5.39	ditto		
	Raigunge ...		0.90	3.25	6.21	ditto		
	Maldah ...		Nil	1.76	5.69	ditto		
	Chanchal ...		ditto	2.19	5.11	ditto		
	Rajahahye ...		Bauleah ...	1.59	1.38	3.86	ditto	
		Nattore ...	0.71	3.17	6.17	ditto		
		Rangpore ...	2.52	2.64	7.10	ditto		
		Bhabanigunge ...	2.12	2.34	7.70	ditto		
	Rungpore ...	Kurigram ...	1.62	0.80	9.23	ditto		
		Bagdogra ...	7.86	3.34	14.54	ditto		
		Bogra ...	Bogra ...	1.00	1.12	4.76	ditto	
			Sherpore ...	0.53	1.77	6.06	ditto	
	Nowkhilla ...		2.25	1.42	6.27	ditto		
	Panchabibi ...		1.00	Not recd.	3.57	27th April		
	Pubna ...	Pubna ...	1.03	0.93	5.88	4th May		
		Seragunge ...	2.61	0.50	8.49	ditto		
		Darjeeling ...	Darjeeling... { Telegraph Office	2.45	2.79	10.98	ditto	
			Hospital ...	2.45	2.78	9.35	ditto	
	Julpigoree ...	Julpigoree ...	1.03	3.10	5.30	ditto		
		Boda ...	1.45	2.10	5.49	ditto		
		Buxa—Civil Surgeon's Office	2.10	7.11	16.18	ditto		
		Titalya ...	1.01	3.55	6.60	ditto		
	Cooch Behar Tribu- tary States.	Cooch Behar ...	1.80	3.85	10.17	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 21st to 27th April 1878.	Rain from 28th April to 4th May 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL.—continued.								
Dacca.	Dacca	Dacca... { Telegraph Office...	0.21	2.48	8.62	4th May	From 17th February.	
		{ Hospital ...	0.80	2.73	8.93	ditto		
		Moonsheegunge ...	0.33	2.50	8.43	ditto		
	Furzedpore	Manickgunge ...	2.28	0.98	6.79	ditto		
		Furzedpore ...	1.91	1.18	12.24	ditto		
		Goalundo ...	0.33	1.46	5.08	ditto		
	Backergunge	Madanpore ...	1.28	4.82	16.21	ditto		
		Burrisal ...	1.29	0.86	5.26	ditto		
		Perozepore ...	0.76	4.13	7.80	ditto		
	Mymensingh	Patoakhally ...	1.23	1.21	4.69	ditto		
		Bhola ...	1.17	0.46	4.38	ditto		
		Mymensingh ...	2.63	2.70	11.84	ditto		
	CHITTAGONG.	Chittagong	Jamulpore ...	1.98	2.40	8.08		ditto
			Atia ...	1.24	1.98	6.49		ditto
			Kishoregunge ...	1.74	1.95	10.91		ditto
Chittagong		Chittagong { Telegraph Office	Nil	1.50	6.00	ditto		
		{ Jail ...	ditto	1.61	6.81	ditto		
		Cox's Bazar ...	ditto	Nil	4.52	ditto		
Noakholly		Noakholly ...	1.79	0.40	7.05	ditto		
		Fenny ...	0.09	1.04	4.17	ditto		
Tipperah		Comillah ...	0.80	0.90	10.55	ditto		
		Brahmunbariah ...	1.06	1.11	10.33	ditto		
Hill	Chittagong	Rungamatee Hill...	0.14	1.25	10.19	ditto		
	Tracts.	Kuma ...	Nil	2.04	10.34	ditto		
Hill Tipperah	Hill Tipperah ...	0.44	1.55	10.93	ditto			
	BEHAR.							
PATNA.	Patna	Patna ...	0.05	0.36	2.17	ditto		
		Behar ...	Nil	0.44	1.88	ditto		
		Barh ...	ditto	1.10	2.51	ditto		
		Dinapore ...	ditto	0.68	2.95	ditto		
	Gya	Gya ...	0.63	0.20	2.34	ditto		
		Nowadah ...	Nil	1.16	3.47	ditto		
		Aurangabad ...	ditto	Nil	2.15	ditto		
		Jehanabad ...	ditto	0.22	2.63	ditto		
	Shahabad	Arrah ...	ditto	0.35	2.83	ditto		
		Sasseram ...	ditto	0.09	1.69	ditto		
		Duxar ...	ditto	0.59	3.97	ditto		
		Bhuboah ...	0.40	0.10	3.31	ditto		
	Muzafferpore	Muzafferpore ...	0.11	Nil	2.45	ditto		
		Hajepore ...	Nil	0.19	1.67	ditto		
		Seetampurhee ...	0.12	0.21	4.61	ditto		
	Durbhanga	Durbhanga ...	0.11	0.25	1.65	ditto		
		Mudhoobunnee ...	Nil	0.17	1.20	ditto		
		Tajpore ...	0.26	0.99	1.65	ditto		
	Sarun	Chupra ...	Nil	0.71	2.53	ditto		
		Sewan ...	0.08	0.17	3.08	ditto		
	Chumpran	Motiharee ...	0.69	0.59	3.32	ditto		
		Bettiah ...	Nil	0.20	2.61	ditto		
		Segowlee ...	0.88	0.78	4.63	ditto		
	Monghyr	Monghyr ...	Nil	1.65	3.01	ditto		
		Begowserai ...	ditto	1.16	3.67	ditto		
		Jamoece ...	ditto	1.18	2.00	ditto		
	Bhagulpore	Bhagulpore ...	0.79	1.40	1.86	ditto		
		Sooopol ...	0.40	0.63	1.13	ditto		
		Muddehpooora ...	1.20	1.19	3.30	ditto		
		Banka ...	0.06	0.70	3.40	ditto		
		Sonbursa ...	0.20	1.27	2.67	ditto		
Purneah	Purneah ...	0.70	1.45	4.84	ditto			
	Kisengunge ...	1.25	1.35	5.14	ditto			
	Arrareah ...	2.46	1.17	7.73	ditto			
Sonthal Pergunnahs	Nya Doonka ...	0.20	1.35	2.66	ditto			
	Rajmohal ...	1.50	4.30	9.05	ditto			
	Deoghur ...	Not recd.	1.62	3.69	ditto			
	Godda ...	Nil	4.30	5.62	ditto			

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 21st to 27th April 1878.	Rain from 28th April to 4th May 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Inches.	Inches.		1878.	
		Jaipore ... { Hospital	Nil	Nil	1.10	4th May	
		Kendraparah ...	ditto	Not recd.	1.98	27th April	
		Jagatsingapore ...	ditto	ditto	0.80	ditto	
		False Point ...	ditto	ditto	1.70	ditto	
	Pooree	Pooree ...	0.30	Nil	1.40	4th May	
		Khurdah ...	Nil	ditto	0.18	ditto	
	Balasore	Balasore... {	0.07	ditto	0.91	ditto	
		Bhadrack ...	1.18	2.38	9.30	ditto	
		Jellasore ...	0.44	0.47	4.33	ditto	
		Sorah ...	1.10	0.85	7.30	ditto	
		Chandbally ...	0.92	0.77	6.07	ditto	
	Cuttack Tributary	Sumbalporo ...	0.60	Nil	3.57	ditto	
	Mehals.		0.68	Not recd.	2.85	27th April	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh... { Jail	0.01	0.98	3.67	4th May	
		Dispensary ...	0.04	0.64	3.14	ditto	
		Pachamba ...	Nil	0.49	2.22	ditto	
	Lohardugga	Ranchee ...	ditto	0.93	7.00	ditto	
		Palamow ...	ditto	0.78	2.82	ditto	
	Singbhoom	Chyebasaa ...	ditto	1.79	7.28	ditto	
	Manbhoom	Purulia ...	ditto	0.51	8.18	ditto	
		Govindpore ...	0.07	Not recd.	2.74	27th April	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet ...	3.02	1.68	26.39	4th May	
	Sibsagar	Sibsagar ...	1.44	Not recd.	12.15	27th April	
		Golaghat ...	1.63	ditto	19.88	ditto	
		Jorhat ...	2.15	ditto	10.88	ditto	
		Akyab ...	Nil	Nil	0.80	4th May	
	Rajpootana	Alwar ...	ditto	ditto	1.20	ditto	
		Jaipur ...	0.03	ditto	1.63	ditto	
		Sambhar ...	Nil	ditto	0.40	ditto	

CALCUTTA,  
The 11th May 1878.

ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 5th to 11th May 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.		
					Dry.	Wet.		Direction.	Velocity.					
ALIPORE.	May	5th	10	29.815	29.836	86.3	80.0	75	S by W	8.8	0.64	FK	c	
		16	29.686	29.684	76.3	74.1	85	S W by W	13.3	0.77	P	c, t, l		
		6th	10	29.835	29.856	86.6	80.8	77	S W by S	1.8	...	K, FK	c	
		16	29.893	29.713	91.0	81.2	62	S by W	8.2	...	K	c, t		
		7th	10	29.831	29.868	82.1	76.4	76	E	8.5	1.01	FK	c	
		16	29.683	29.705	84.2	79.6	81	S E by S	15.5	0.73	K, FK	c		
	8th	10	29.800	29.831	81.0	76.4	80	S E by S	3.3	0.21	PK	c		
		16	29.072	29.693	86.7	77.9	66	S W by S	12.6	...	PC	c		
		9th	10	29.760	29.781	85.3	77.1	67	S	6.6	0.03	FK	c	
		16	29.654	29.675	87.8	79.9	69	S W by S	10.0	...	K, C	c		
		10th	10	29.781	29.802	87.5	80.5	76	S W by S	6.8	...	F, FK	c	
		16	29.617	29.638	91.5	82.4	67	S W by S	14.2	...	K, FK	c		
	11th	10	29.799	29.821	84.4	77.3	72	S W by S	4.5	1.93	S, FK	c		
		16	29.663	29.684	89.1	80.0	66	S by W	6.8	...	CS	c		
		May	5th	10	29.823	29.829	89	82	73	S	16.0	...	FK	b, m
		16	29.678	29.684	88	83	80	S	17.6	...	P, FK	b, m		
		6th	10	29.840	29.846	88	82	76	S W	16.7	...	FK	b, m	
		16	29.714	29.720	89	83	77	S	12.5	...	FK	b, m		
SAUGOR ISLAND.	7th	10	29.815	29.821	88	79	66	W S W	6.3	0.10	P	b, m, u		
		16	29.711	29.717	86	76	68	E S E	10.9	0.10	PK	b, u		
		8th	10	29.801	29.807	86	77	65	S W	19.2	1.10	FK	b, u	
		16	29.689	29.695	85	80	79	S S W	15.6	...	...	o, u		
		9th	10	29.758	29.764	86	79	72	S	9.1	...	K	b, m	
		16	29.664	29.670	89	82	73	S S W	15.7	...	FK	b, m		
	10th	10	29.798	29.804	89	81	80	S S W	12.9	0.10	FK	b, m		
		16	29.632	29.638	90	84	77	S S W	20.3	...	...	b, m		
		11th	10	29.778	29.784	87	80	72	S S W	13.2	0.50	K	b, m	
		16	29.675	29.681	83	83	80	S	12.0	...	F, FK	b, m		
		May	5th	10	29.823	29.814	87	79	63	S	6.8	0.10	C	v
		16	29.821	29.813	86	78	68	Calm	6.3	...	K, PK	m		
	6th	10	29.817	29.810	78	71	82	N	3.0	0.40	C, PK	o		
		16	29.773	29.864	87	80	72	S S E	6.0	0.10	PK	o, t		
		9th	10	29.811	29.833	87	80	72	S	6.4	...	K, PK	v	
		10th	10	29.779	29.871	82	78	83	Calm	5.1	1.10	C	v	
		11th	10	29.779	29.870	84	76	68	S	5.3	...	K	v	
		16	29.898	29.919	90	76	50	E	3.2	0.50	C			
ANYAB.	May	5th	10	29.890	29.911	91	91	100	E	2.0	...	K		
		6th	10	29.891	29.912	79	75	62	S E	2.7	...	CK, P		
		7th	10	29.884	29.906	90	79	60	S E	3.0	0.20	CK, P		
		8th	10	29.826	29.847	90	79	60	N W	2.6	...	CK		
		9th	10	29.884	29.906	83	73	60	E	4.0	0.10	CK, P		
		10th	10	29.809	29.890	85	75	61	E	3.8	...	C	b	
	May	5th	10	29.913	29.954	89	82	73	N W	6.9	...	...	b	
		6th	10	29.801	29.932	89	82	73	N W	6.9	...	...	b	
		7th	10	29.881	29.922	89	82	73	N W	7.9	...	...	b	
		8th	10	29.860	29.901	89	82	73	W N W	6.9	...	...	b	
		9th	10	29.825	29.866	89	80	66	N W	7.2	...	...	b	
		10th	10	29.873	29.914	89	81	69	N W	7.1	...	...	b	
	May	11th	10	29.889	29.930	89	81	69	N W	7.9	...	...	b	
		5th	10	29.727	29.806	96	78	42	S S W	6.6	...	...	c	
		6th	10	29.725	29.805	91	79	67	S W	3.9	1.20	C	r	
		7th	10	29.728	29.808	90	82	70	S S W	3.6	0.40	K, PK	b	
		8th	10	29.718	29.798	90	80	63	S S W	4.7	...	CK, PK, C	b	
		9th	10	29.676	29.757	91	79	67	N N E	2.9	0.10	...	b	
CUTTACK.	10th	10	29.710	29.790	91	79	67	S W	3.2	0.10	...	c		
		11th	10	29.723	29.803	89	79	63	S W	4.0	0.20	C, CK	c	
		5th	10	29.824	29.839	91	83	70	S W	10.8	0.50	C, CK	c	
		6th	10	29.816	29.831	89	82	73	S	9.0	...	C, PK	c, t	
		7th	10	29.827	29.842	83	78	79	S	7.5	0.30	K, CK, PK	c	
		8th	10	29.832	29.847	86	80	76	S S E	7.6	...	C, PK	b	
	9th	10	29.757	29.772	86	79	72	W S W	7.5	1.00	C	o		
		10th	10	29.794	29.809	91	81	63	S W	11.4	...	C, CK, C	c	
		11th	10	29.789	29.804	89	81	69	S W	9.2	0.60	C, CK	b	
		May	5th	10	29.851	29.882	90	79	60	W S W	5.2	...	...	b, o
		6th	10	29.838	29.869	91	80	60	W	4.5	...	...	b	
		7th	10	29.826	29.857	93	79	52	W S W	4.8	...	...	b	
	May	8th	10	29.811	29.842	90	79	60	S S W	5.0	...	...	b	
		9th	10	29.784	29.815	89	80	68	S	4.0	0.10	...	b	
		10th	10	29.828	29.859	91	80	60	S	4.0	...	...	b	
		11th	10	29.808	29.839	92	80	57	S by W	4.9	...	...	c	
		4th	10	29.897	29.919	90	79	60	S S W	7	...	...	c	
		16	29.771	29.793	91	81	63	S E by E	14	...	...	b, c		
VIZAGAPATAM. FALSE POINT.	5th	10	29.592	29.614	92	79	64	S	8	...	...	c		
		16	29.782	29.801	90	79	60	S E	16	...	...	b		
		6th	10	29.860	29.912	89	81	68	S	10	...	...	b, c	
		16	29.765	29.787	89	80	66	S E	17	...	...	b, c		
		7th	10	29.863	29.885	90	80	63	S S E	12	...	...	c	
		16	29.742	29.764	88	79	66	S E	18	...	...	c		
	8th	10	29.846	29.868	94	79	49	S S W	13	...	...	c		
		16	29.713	29.734	92	80	57	S E by E	14	...	...	c		
		9th	10	29.830	29.852	91	80	60	S by E	12	...	...	o	
		16	29.709	29.731	90	79	60	S E	17	...	...	c		
		10th	10	29.880	29.902	93	78	49	S	11	...	...	c	
		16	29.751	29.773	90	79	60	S E	14	...	...	b, c		
	May	5th	10	29.865	29.905	87	81	76	S	14	0.30	C		
		6th	10	29.877	29.917	88	82	76	N W	2.6	0.10	C		
		7th	10	29.860	29.900	88	82	76	S S E	3.0	...	C		
		8th	10	29.832	29.872	86	81	83	S	8.6	...	C		
		9th	10	29.810	29.850	86	81	80	S S W	3.0	0.10	C		
		10th	10	29.836	29.876	84	78	75	E by N	1.8	...	...	o	
11th	10	29.885	29.926	84	79	70	N E	3.1	0.60	...	o			

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 11th May 1878.ALEXANDER PEDLER,  
Off. Meteorological Reporter to the Government of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th May 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%.			Inches	
May	5th	152.9	29.700	75.3	90.0	20.1	70.5	74.3	0.836	73.8	95	Chiefly south ...	180	*1.41	Cloudy, o, g, t, l, lr, p, and K
"	6th	151.8	.777	80.0	92.0	18.8	73.8	77.3	.902	76.1	88	Chiefly south ...	161	1.01	Morning clear, day and night cloudy, o, g, t, lr, t, and p.
"	7th	149.5	.793	76.6	86.0	11.8	74.2	74.3	.820	73.3	89	Till 4 A.M. S S W, till 11 A.M. E by N through W and N, till 8 P.M. S through S E, till midnight S E through W, N and E.	240	0.73	Cloudy, o, g, t, l, d, p, and
"	8th	147.7	.722	76.2	88.8	18.8	70.0	73.7	.799	72.5	89	Till 7 P.M. S, till 8½ P.M. N E by N through S E and E, till midnight S E by E through E.	219	†0.21	Cloudy, o, g, t, l, d and p.
"	9th	152.5	.723	80.5	89.8	17.8	72.0	77.6	.908	76.3	87	Till 5½ A.M. S, till 10 A.M. S back again round W, N and E, till 6 P.M. S S W, till midnight S.	171	‡0.06	Partially cloudy, o, g, and lr.
"	10th	151.7	.726	78.7	91.6	18.5	73.1	76.3	.874	75.2	89	Till 9 A.M. S, till 5 P.M. S S W, till midnight S back again round W, N and E.	220	Nil	Morning clear, day and night cloudy, w, o, g, t, lr, l, p, and
"	11th	149.4	.726	80.1	80.1	19.1	70.0	77.5	.911	76.4	89	Chiefly south ...	130	§1.93	Morning clear, day and night partially cloudy, w and o.

\* 0.01 fell at 7-50 P.M. of the 4th May. | † Fell at 8-10 P.M. of the 7th. | ‡ Fell at 7 P.M. of the 8th. | § Fell at 6 P.M. of the 10th.

The mean pressure of the seven days ... 29.743  
The average pressure of the corresponding period for 25 years, S. G. Office ... 29.681

The mean temperature of the seven days ... 78.2  
The average temperature of the corresponding period for 25 years, S. G. Office ... 85.1  
The extreme variation of temperature during the seven days ... 22.6  
The maximum temperature during the seven days ... 92.6

The mean relative humidity during the seven days ... 89  
The average relative humidity of the corresponding period for 25 years, S. G. Office ... 73

The total fall of rain from 5th to 11th May 1878 ... 5.35  
The average fall of the corresponding period for 25 years, S. G. Office ... 1.06  
The total fall from 1st January to 11th May 1878 ... 13.85  
The average fall of the corresponding period for 25 years, S. G. Office ... 6.53

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, l lightning, lr lightning reflection, p passing temporary showers, K thunder-storm d drizzling, w dew, / strong wind.

METEOROLOGICAL OFFICE, INDIA,

The 13th May 1878.

ALEXANDER PEDLER,

For Offg. Meteorological Reporter to the Government of India.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of March 1878.

## Kendraparq Canal.

LENGTH OF CANAL OPEN—39 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A P.	A. P.
241	Paddy	42,120	84,240	62,318	2,225	85,430	869 4 0	...
125	Rice	36,541	1,46,164	57,880	2,067	77,602	701 7 9	...
73	Jaggery	13,827	58,885	18,880	675	20,380	166 8 0	...
7	Gingelly seeds	7,310	36,559	7,310	261	10,440	156 9 9	...
15	Salt	2,400	12,250	3,811	136	4,288	36 10 0	...
1	Oil cake	220	220	325	12	480	4 14 0	...
2	Pine-wood, &c.	354	17,400	354	13	520	7 14 9	...
6	Teel-seeds	1,509	6,000	2,175	78	2,840	30 2 0	...
6	Gunmes, &c.	2,089	19,970	2,378	84	3,360	46 15 6	...
12	Spices	1,915	38,300	3,308	118	4,710	47 10 0	...
3	Straw	220	21	478	17	680	6 9 0	...
32	Gram	6,510	10,038	8,451	301	11,102	130 2 0	...
2	Boundary stone	600	19	858	51	572	4 4 0	...
1	Dry fish	60	600	84	3	0	0 6 0	...
1	Planks	200	500	318	11	330	3 0 0	...
1	Cotton	100	1,000	135	5	50	0 10 0	...
29	Timber	8,669	31,661	11,250	401	5,626	197 10 9	...
20	Bamboos	2,867	360	5,008	180	6,736	64 8 0	...
14	Sleepers	4,994	12,495	6,146	220	8,800	102 1 6	...
1	Khurree	209	500	315	11	140	4 8 0	...
1	Doors	50	150	86	3	120	1 2 0	...
12	Gravel	2,540	115	4,513	161	6,440	66 0 0	...
1	Lac	200	3,200	235	8	320	3 6 0	...
1	Mats	200	200	461	16	640	6 12 0	...
4	Gallnuts	900	900	1,256	45	1,800	18 0 0	...
4	Lime	812	196	1,223	13	1,720	17 4 0	...
1	Kochula	400	400	502	19	760	7 8 0	...
2	Hides	708	7,080	919	33	1,160	13 8 0	...
4	Miscellaneous	2,514	44,180	2,618	94	3,760	54 7 6	...
2	Coal, &c.	2,854	4,100	3,093	107	4,280	62 4 9	...
6	Passengers, 13 in number			220	8	304	9 1 2	...
359	Empty boats			38,599	1,003	36,095	440 4 0	...
1028	Total	1,43,864	5,46,699	2,45,226	8,759	3,11,502	3,211 14 5	0 2 0
302	Total of same month last year	19,337	17,036	52,618	1,859	41,724	539 6 11	0 2 4
MISCELLANEOUS.								
...	Timbers, 233 in number		820				68 3 0	
...	Bamboos, 71,910 in number		1,667				149 2 6	
...	Demurrage on boat						0 8 9	
	Total		2,487				217 13 6	
7	Total of same month last year		842				25 0 7	

## STORES AND MATERIALS FOR IRRIGATION WORKS.

2	Laterite stone	800	12	991	35	1,650	9 8 0	...
3	Brushwood	500	47	588	21	566	2 12 0	...
1	Furniture	500	5,000	810	29	1,160	12 0 0	...
1	Timber	202	983	363	13	298	2 0 0	...
4	Empty boats			292	7	112	1 4 0	...
11	Total	1,802	6,052	2,944	104	2,866	27 8 0	0 18
34	Total of same month last year	5,950	211	10,734	383	9,472	83 10 0	0 16
MISCELLANEOUS.								
50	Boats passed free							...
50	Total							...
21	Total of same month last year		2,000				2 0 0	...

## TRAFFIC BETWEEN CUTTACK AND SEABOARD.

## (1) PRIVATE.

...	Total	...	...	...	...	...	...	...
554	Total of same month last year	1,02,809	2,79,797	1,62,367	5,799	2,31,960	2,412 9 6	0 0 19
MISCELLANEOUS.								
...	Total	...	...	...	...	...	...	...
15	Total of same month last year	...	736	...	...	...	104 14 0	...

*Kendrapara Canal—continued.*

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
	Total	...	...	...	...	...	...	...
15	Total of same month last year	210	270	4,006	113	5,720	59 4 0	0 19
	MISCELLANEOUS.							
	Total	...	...	...	...	...	...	...
32	Total of same month last year	...	685	...	...	...	76 8 0	...

## ABSTRACT LOCAL TRAFFIC.

1628	Private, including miscellaneous	1,13,864	5,19,186	2,45,326	8,759	3,11,562	3,189 11 11	...
61	Government stores, including miscellaneous	1,502	6,912	2,914	105	2,866	27 8 0	...
1089	Total	1,15,366	5,26,098	2,48,240	8,864	3,14,428	3,517 3 11	...
364	Total of same month last year	24,407	50,959	63,352	2,262	51,196	649 1 6	...

## TRAFFIC BETWEEN CUTTACK AND SEABOARD.

	Private, including miscellaneous	...	...	...	...	...	...	...
	Government stores, including miscellaneous	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...
616	Total of same month last year	1,03,619	2,81,191	1,60,373	5,912	2,37,680	2,653 3 6	...
1089	Grand total	1,15,366	5,26,098	2,48,240	8,864	3,14,428	3,517 3 11	...
	Deduct amount erroneously charged to Collector of Cuttack, as service bearing instead of free during February 1878.	...	...	...	...	...	4 8 0	...
							3,512 11 11	...
980	Grand total of same month last year	1,27,126	3,31,580	2,29,725	8,204	2,88,876	3,302 5 0	...
	Difference of tollage (to be added) on Messrs. Bullock, Wellstead & Co's boats for January and February 1877, between the lock-keepers memorandum and manifests received from the above firm.						338 9 4	...
							3,640 14 4	...

## MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month	1,196 4 1
Amount of tollage for the month	3,512 11 11
	Total
Amount credited in the accounts for the month	4,709 0 0
	3,657 5 6
Balance at the end of the month	1,051 10 6

*High Level Canal.*

LENGTH OF CANAL OPEN—37 MILES.

## LOCAL TRAFFIC.

## (1) PRIVATE.

43	Paddy	6,250	12,500	12,524	447	15,198	182 13 6	...
56	Rice	5,600	22,400	11,216	461	18,302	169 8 6	...
19	Gallnuts	2,466	2,466	4,951	177	6,618	70 14 0	...
17	Gram	400	600	803	29	860	11 8 9	...
10	Tamarind	85	160	167	6	204	5 4 0	...
4	Tamar	118	481	291	10	337	8 3 0	...
1	Gingelly	440	1,760	887	32	1,088	13 2 0	...
12	Jaggery	1,500	7,500	3,180	113	1,894	22 6 0	...
4	Straw	260	130	512	19	404	4 13 4	...
4	Cotton	450	4,500	915	33	1,048	12 10 0	...
12	Salt	2,280	12,000	3,571	128	4,352	52 11 6	...
3	Pumpkins	50	20	146	6	30	0 11 5	...
10	Passenger boats	...	...	988	33	1,184	17 12 3	...
140	Empty boats	...	...	14,300	511	16,579	200 0 1	...
318	Total	19,927	64,617	54,471	1,946	62,588	765 6 4	0 0 23
311	Total of same month last year	16,825	48,616	43,995	1,571	41,636	559 1 8	0 0 26
	MISCELLANEOUS	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...
	Total of same month last year	...	...	...	...	...	...	...

High Level Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
61	Rubble ... ..	19,138	306	38,278	1,367	1,367	189 10 0	...
1	Sandries ... ..	380	760	764	27	918	11 4 0	...
61	Empty boats ... ..	...	...	15,610	558	6,226	97 0 0	...
123	Total ... ..	19,518	1,066	54,688	1,952	8,511	298 4 0	0 67
14	Total of same month last year ... ..	1,390	7,378	4,739	170	5,609	67 12 4	0 23
MISCELLANEOUS.								
		.....	.....	.....	.....	.....	.....	.....
	Total ... ..	...	...	...	...	...	...	...
10	Total of same month last year ... ..	.....	...	...	.....	.....	.....	...

ABSTRACT.								
318	Private, including miscellaneous ... ..	19,927	64,517	54,471	1,916	62,588	765 6 4	...
123	Government stores, including miscellaneous ... ..	19,518	1,066	54,688	1,952	8,511	298 4 0	...
441	Grand Total ... ..	39,445	65,583	1,09,159	3,868	71,099	1,063 10 4	...
							3 1 11*	...
							1,069 8 5	...
353	Grand total of same month last year ... ..	18,215	55,988	48,754	1,711	46,645	626 14 0	...

\* Deduct amount erroneously charged to the District Engineer of Cuttack as service bearing instead of free during November 1877.

MEMO.							Rs. A. P.
Unrecovered balance on the 1st of the month ... ..							224 8 0
Amount of tollage for the month ... ..							1,069 8 5
Total ... ..							1,293 0 8
Amount credited in the accounts for the month ... ..							995 8 5
Balance at the end of the month ... ..							299 8 0

Taldunda Canal.

LENGTH OF CANAL OPEN—27 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

8	Paddy ... ..	2,007	2,760	3,474	124	1,210	8 10 11	...
3	Rice ... ..	843	3,372	1,722	61	61	1 1 3	...
4	Gram ... ..	972	3,888	1,750	62	62	1 1 7	...
1	Tannatind ... ..	298	574	368	13	199	0 14 9	...
4	Sand cut stone ... ..	2,207	800	3,137	112	3,024	7 13 8	...
2	Timbers ... ..	737	45	1,232	44	660	3 1 4	...
2	Bamboos ... ..	471	66	915	34	675	2 5 10	...
1	Straw ... ..	124	30	300	12	250	0 12 0	...
1	Passenger boats ... ..	...	...	115	10	352	1 1 10	...
13	Empty boats ... ..	...	...	6,718	241	3,856	13 12 4	...
69	Total ... ..	7,649	11,037	20,121	718	10,409	40 11 6	07
39	Total of same month last year ... ..	6,150	7,085	11,205	380	3,285	22 14 10	13
MISCELLANEOUS.								
...	238 logs ... ..	...	1,285	...	...	...	47 14 0	...
...	14,600 bamboos ... ..	...	298	...	...	...	17 4 0	...
...	1 Passengers for 22 miles ... ..	...	...	...	...	...	0 1 10	...
...	Total ... ..	...	1,523	...	...	...	65 3 10	...
...	Total of same month last year ... ..	...	615	...	...	...	40 13 4	...

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

			Nil					
	Total ... ..	...	...	...	...	...	...	...
8	Total of same month last year ... ..	1,028	80	2,187	78	182	1 10 0	17
MISCELLANEOUS.								
	Total ... ..	Nil	...	...	...	...	...	...
...	Total of same month last year ... ..	...	...	...	...	...	...	...



## Taldunda Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
		Mds.	Rs.				Rs. A. P.	A. P.
69	Private, including miscellaneous ...	7,649	12,560	20,121	718	10,409	105 15 4	• ...
...	Government stores, including ditto	...	...	...	...	...	...	.....
69	Grand total	7,649	12,560	20,121	718	10,409	105 15 4	.....
47	Grand total of same month last year	7,178	7,780	13,392	458	3,467	65 6 2	.....

MEMO.				Rs. A. P.	Rs. A. P.
Unrecovered balance on the 1st of the month	...	...	...	87 4 0	...
Amount of tollage for the month	...	...	...	105 15 4	...
Amount credited in the accounts for the month	...	...	...	...	193 3 4
Balance at the end of the month	...	...	...	...	85 6 0

## SOUTH-WESTERN CIRCLE.

## Midnapore Canal.

LENGTH OF CANAL OPEN—53 MILES.

## LOCAL TRAFFIC.

## (1) PRIVATE.

3	Barks	330	990	575	...	8 10 0	...
35	Betel-leaves	2,057	8,057	5,700	...	31 8 6	...
3	Bricks and tiles, 1,500 in number	85	36	590	...	2 3 3	...
31	Brass and copper and their manufactures	3,650	1,42,300	10,475	...	91 10 0	...
9	Betel-nuts	490	5,970	1,625	...	20 15 0	...
98	Coal and coke	22,145	12,907	44,720	...	555 13 9	...
11	Cotton, raw	637	10,620	2,270	...	16 1 3	...
70	Cotton, twist and yarn (European)	6,700	2,22,120	21,180	...	197 4 3	...
30	Cotton, piece-goods (European)	2,260	2,01,800	5,960	...	83 12 9	...
10	Ditto ditto (Indian)	107	17,930	810	...	6 14 0	...
3	Coconuts, 2,500 in number	30	77	500	...	5 8 0	...
8	Curd	440	1,320	875	...	8 1 6	...
1059	Empty boats	...	...	1,39,340	...	1,672 9 9	...
40	Earthenware	3,270	969	9,575	...	65 13 0	...
109	Fruits and nuts of all kinds	24,232	57,025	47,615	...	520 4 0	...
20	Firewood	2,010	567	5,375	...	31 1 0	...
81	Gau and pulse	7,965	29,260	22,050	...	183 3 6	...
17	Gunny-bags, 9,800 in number	502	1,727	4,000	...	55 6 0	...
2	Gunny cloth, 620 pieces	155	1,550	400	...	1 8 0	...
2	Glass ware	110	1,200	430	...	4 4 0	...
5	Hides of cattle, untanned, 8,900 in number	920	10,900	1,625	...	23 14 0	...
4	Horns	390	7,500	1,175	...	19 4 6	...
8	Iron and its manufactures	520	4,600	1,615	...	15 8 6	...
2	Lanseed	375	1,125	600	...	9 0 0	...
5	Liquor	32	3,500	640	...	11 5 9	...
1	Medicines	2	700	50	...	1 8 0	...
71	Mustard	9,365	37,760	23,285	...	192 14 0	...
99	Miscellaneous	4,830	13,075	19,255	...	190 13 3	...
5	Other oilseed	925	3,850	2,250	...	19 11 0	...
5	Other saline substances	420	1,750	1,125	...	15 10 0	...
7	Other fibres, raw	705	2,015	1,850	...	47 0 0	...
1285	Passenger boats	...	...	75,100	...	828 12 6	...
610	Paddy	54,835	86,921	1,00,365	...	1,911 0 9	...
5	Pieces of tanned leather, 5,355 in number	700	2,500	1,300	...	21 6 0	...
1	Rope, coir	175	525	800	...	9 0 0	...
854	Rice	1,84,204	4,65,974	3,64,470	...	4,690 8 0	...
0	Rubbish	1,900	110	3,125	...	46 14 0	...
23	Spices	1,820	15,250	5,690	...	77 7 0	...
109	Salt	57,392	2,44,060	1,11,150	...	1,060 5 3	...
47	Sugar, unrefined	4,504	17,220	12,050	...	103 1 9	...
49	Straw, (733 kabans)	6,470	3,003	24,885	...	120 3 3	...
6	Silk, raw	90	59,320	710	...	6 0 9	...
2	Stationery	265	2,050	575	...	2 2 6	...
14	Store plates	1,655	4,410	3,790	...	60 12 3	...
9	Sand	2,830	147	5,125	...	25 13 0	...
79	Sail piles, 1,699 in number	2,552	3,392	3,905	...	65 7 6	...
70	Timber, 45 in number	3,871	6,650	8,090	...	151 0 0	...
55	Tobacco	5,685	37,380	13,895	...	160 2 0	...
83	Vegetable and other kinds of provisions	2,915	10,296	9,875	...	405 5 9	...
12	Wheat	855	2,412	2,775	...	29 1 0	...
1879	Total	4,28,847	17,64,539	1,22,540	40,083	7,75,499	12,905 6 6
1856	Total of same month last year	1,42,007	3,65,483	3,12,765	11,170	1,98,807	3,895 4 0
MISCELLANEOUS.							
...	Passengers, 13,618 in number	...	...	...	...	269 14 9	...
...	Demurrage, &c.	...	...	...	...	19 9 0	...
8	Boats passed free	...	...	...	...	...	...
...	Total	...	...	...	...	289 7 9	...
31	Total of same month last year	...	...	...	...	43 3 9	...

Midnapore Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
5	Coal ... ..	3,050	946	4,650	.....	.....	17 7 0	... ..
1	Timber, 3 in number .. ..	30	90	30	.....	.....	1 0 0	.....
28	Empty boats .. ..	.....	.....	10,025	.....	.....	103 7 6	.....
10	Ghooting ... ..	4,787	289	7,275	.....	.....	109 2 0	.....
3	Block stone .. ..	1,050	205	2,025	.....	.....	43 0 6	.....
9	Rubble stone .. ..	3,500	500	8,175	.....	.....	181 9 6	.....
2	Iron and its manufactures .. ..	700	4,700	1,525	.....	.....	43 2 0	.....
2	Lock gates .. ..	500	1,000	1,075	.....	.....	28 3 6	.....
60	Total .. ..	13,617	7,730	34,780	1,242	33,572	587 0 0	3 3
...	Total of same month last month .. ..	.....	.....	.....	.....	.....	.....	.....
	MISCELLANEOUS.			Nil				
...	.....	.....	.....	.....	.....	.....	.....	.....
	Total .. ..	.....	.....	.....	.....	.....	.....	.....
...	Total of same month last year .. ..	.....	.....	.....	.....	.....	.....	.....

ABSTRACT.

5,846	Private, including miscellaneous ... ..	4,28,847	17,64,539	11,22,340	40 083	7,75,400	13,194 14 3	
60	Government stores, including miscellaneous ... ..	13,617	7,730	34,780	1,242	33,572	587 0 0	
5,906	Grand Total ... ..	4,42,464	17,72,269	11,57,120	41,325	8,09,071	13,781 14 3	
1,866	Grand Total of same month last year ... ..	1,42,007	3,65,483	3,12,765	11,170	1,08,807	3,938 7 0	

MEMO.

Rs. A. P.

Unrecovered balance on the 1st of the month ... ..	1,252 11 2
Amount of tollage for the month ... ..	13,781 14 3
Total ... ..	15,034 9 5
Amount credited in the accounts for the month ... ..	13,264 10 0
Balance at the end of the month ... ..	1,769 15 5

Hidgellee Tidal Canal.

LENGTH OF CANAL OPEN—29 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

24	Miscellaneous ... ..	1,042	11,823	6,455			78 12 6	
1	Mustard seed ... ..	50	225	250			1 11 6	
1	Cotton ... ..	30	700	800			14 8 0	
1	Tobacco ... ..	125	780	700			12 11 0	
3	Coal ... ..	790	211	1,275			13 13 8	
4	Salt ... ..	760	2,742	1,800			23 1 6	
2	Tamarind ... ..	90	180	350			6 5 6	
1	Jaggery ... ..	25	130	675			12 3 9	
1	Sugar ... ..	20	200	125			1 6 6	
59	Rice ... ..	9,681	24,204	19,325			262 8 9	
51	Paddy ... ..	9,783	15,077	19,675			329 6 6	
1	Firewood ... ..	100	10	150			1 11 0	
2	Cocoanuts, 800 in number ... ..	20	20	300			3 3 0	
1	Bamboos, 200 in number ... ..	50	11	200			1 6 0	
1	Howlah, 300 in number ... ..	60	60	100			0 11 0	
1	Clothes, 3 bags ... ..	6	200	275			1 14 3	
2	Timber ... ..	65	110	275			3 9 3	
2	Mats, 2,000 in number ... ..	200	1,000	800			5 8 0	
2	Straw, 15 kahuns ... ..	180	26	425			2 14 0	
1	Earthenware ... ..	20	25	325			3 10 0	
195	Empty boats ... ..			26,130			352 4 0	
1	Passenger boats ... ..			100			0 11 0	
357	Total ... ..	23,077	57,629	80,310	2,988	64,204	1,122 15 6	3 3
2,790	Total of same month last year ... ..	2,16,053	3,13,349	5,70,940	20,390	4,60,815	8,061 3 3	3 3
	MISCELLANEOUS							
	Passengers, 12 in number ... ..						0 3 0	
	Total ... ..						0 3 0	
	Total of same month last year ... ..						55 8 3	

The Tidal Canal has been reopened on the 29th March 1878.

*Hidgellie Tidal Canal—contd.*

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.—Nil.

## ABSTRACT.

		Mds.	Rs.				Rs. A. P.	A. P.
357	Private, including miscellaneous ...	23,977	57,629	80,310	2,868	64,204	1,123 2 0	.....
	Government stores, including miscellaneous ...	...	...	...	...	...	...	...
357	Grand total ...	23,977	57,629	80,310	2,868	64,204	1,123 2 6	.....
2,790	Grand total of same month last year ...	2,16,052	3,13,349	5,70,940	20,390	4,60,915	8,116 14 6	.....

## MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month ...	0 13 6
Amount of tollage for the month ...	1,123 2 6
Total ...	1,124 0 0
Amount credited in the accounts for the month ...	0 0 0
Balance at the end of the month ...	1,124 0 0

\* A ton of goods was carried an average distance of 22½ miles.

## SONE CIRCLE.

*Arrah Canal.*

## LENGTH OF CANAL OPEN—65 MILES.

## LOCAL TRAFFIC.

## (1) PRIVATE.

8	Rice ...	2,400	9,300	2,984	106	7,950	57 10 6	.....
42	Salt ...	8,600	43,000	11,764	420	29,400	284 1 0	.....
13	Goor, sugar ...	2,500	29,000	3,062	111	5,640	58 3 3	.....
10	Sesamum seeds (teel) ...	3,200	19,200	3,991	142	5,680	60 2 0	.....
13	Passenger boats ...	...	...	1,175	41	2,378	21 5 6	.....
16	Empty boats ...	...	...	1,166	41	1,096	14 7 9	.....
101	Total ...	17,100	1,00,800	25,042	891	52,114	493 14 0	19
45	Total of same month last year ...	6,507	28,940	11,071	395	28,120	205 6 6	17
MISCELLANEOUS.								
50	Rafts of bamboos and bulas, No. 610,207 ...	...	...	...	...	...	141 8 3	...
50	Total ...	...	...	...	...	...	141 8 3	...
...	Total of same month last year ...	...	...	...	...	...	29 12 6	.....

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

26	Rubble and mile-stone ...	8,800	264	10,768	384	11,640	177 12 3	...
32	Asklar ...	5,772	404	8,122	290	460	76 10 9	...
2	Coal ...	600	120	835	29	364	6 12 0	...
1	Iron garden ...	100	75	193	6	84	1 9 3	...
7	Iron and barrels of cement ...	1,538	600	2,088	74	4,092	43 3 9	...
43	Empty boats ...	...	...	6,726	210	10,800	90 6 9	...
111	Total ...	16,810	1,465	28,732	1,023	27,540	390 6 9	27
127	Total of same month last year ...	20,317	...	40,633	1,448	70,883	674 8 6	18
MISCELLANEOUS.								
3	Rafts of timber, 90 in number ...	...	...	...	...	...	50 10 0	...
3	Total ...	...	...	...	...	...	50 10 0	...
...	Total of same month last year ...	...	...	...	...	...	75 6 0	...

## ABSTRACT.

157	Private, including miscellaneous ...	17,100	1,00,800	25,042	891	52,114	635 3 3	.....
114	Government stores, including ditto ...	16,810	1,465	28,732	1,023	27,540	447 0 9	.....
271	Grand total ...	33,910	1,02,265	53,774	1,914	79,654	1,082 7 0	.....
172	Grand total of same month last year ...	26,624	28,940	51,584	1,845	94,003	985 1 6	.....

## MEMO.

	Rs. A. P.
Unrecovered balance on the 1st of the month ...	639 8 6
Amount of tollage for the month ...	1,082 7 0
Total ...	1,721 15 6
Amount credited in the accounts for the month ...	1,439 0 9
Balance at end of the month ...	282 5 9

Western Main Canal.								
LENGTH OF CANAL OPEN—22 MILES.								
LOCAL TRAFFIC.								
(1) PRIVATE.								
Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
		Mds.	Rs.				Rs. A. P.	A. P.
1	Ghee .....	125	2,010	325	12	312	4 10 9	
5	Lanscod .....	2,200	5,500	2,825	101	2,336	40 9 9	
7	Gairao and hurrah, &c. ....	1,800	1,900	2,925	104	2,704	42 0 9	
1	Kunkur .....	54	2	206	7	28	1 4 0	
23	Empty boats .....			2,200	78	1,691	21 0 6	
37	Total .....	4,179	9,312	8,475	302	7,361	109 0 0	0 2 8
8	Total of same month last year .....	784	1,452	1,675	60	2,332	37 15 9	0 3 1
	MISCELLANEOUS.							
	Total .....							
	Total of same month last year .....							

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
65	Rubble stone .....	10,575	829	23,725	847	4,235	148 4 6	
1	Grass .....	1,006	7	1,709	61	305	10 10 0	
6	Ditto .....	1,224	7	2,100	75	300	13 2 0	
89	Empty boats .....			11,025	394	2,607	72 13 6	
164	Total .....	18,895	843	38,550	1,377	7,447	244 14 0	0 6 3
445	Total of same month last year .....	1,003,987	3,767	1,74,791	6,242	32,231	1,100 5 6	0 6 7
	MISCELLANEOUS.							
	Total .....							
	Total of same month last year .....							

ABSTRACT.								
37	Private, including miscellaneous .....	4,179	9,312	8,475	302	7,361	109 0 0	
164	Government stores, including miscellaneous .....	18,895	843	38,550	1,377	7,447	244 14 0	
201	Grand total .....	23,074	10,155	47,025	1,679	14,808	354 7 0	
453	Grand total of same month last year .....	1,07,771	5,219	1,76,406	6,302	31,563	1,138 5 3	

MEMO.								
							Rs. A. P.	
Unrecovered balance on the 1st of the month .....							419	9 3
Amount of tollage for the month .....							354	7 9
Total .....							774	0 0
Amount credited in the accounts for the month .....							529	1 6
Balance at end of the month .....							244	14 6

Patna Canal.

LENGTH OF CANAL OPEN—8½ MILES.

LOCAL TRAFFIC.

(1) PRIVATE.								
7	Rice .....	599	1,776	1,413	40	2,446	25 5 0	
11	Other food .....	1,100	8,640	2,180	76	4,060	41 15 10	
1	Teel .....	45	175	136	5	110	3 14 6	
1	Other seeds .....	75	250	159	6	351	3 9 3	
2	Staples of manufacture .....	200	600	285	10	405	4 3 4	
27	Building materials .....	22,211	177	4,233	150	474	0 6 0	
10	Cooking utensils .....	1,480	615	3,369	119	9,871	101 4 6	
27	Miscellaneous .....	2,594	4,709	4,697	169	11,867	117 11 8	
2	Passenger boats .....			412	15	614	6 15 0	
40	Empty boats .....			2,283	83	1,419	14 12 5	
128	Total .....	28,304	17,302	18,867	673	31,932	329 1 3	1 9
	Total of same month last year .....							
	MISCELLANEOUS.							
	Rafts of bamboos and bullahs, 690,427 in number. ....		9,912				366 7 9	
	Total .....		9,912				366 7 9	
	Total of same month last year .....							

## Patna Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
13	Ashlar ... ..	2,500	1,250	5,683	202	10,031	122 11 0	.....
340	Rubble ... ..	63,125	4,430	1,24,450	4,442	1,00,242	1,445 10 0	.....
3	Bricks ... ..	1,825	40	1,439	52	878	10 8 3	.....
1	Soorkie ... ..	400	32	825	20	186	6 7 0	.....
24	Other building materials ... ..	8,025	593	11,028	414	11,449	149 15 0	.....
43	Coal ... ..	10,642	5,281	16,415	584	20,778	203 1 9	.....
4	Miscellaneous ... ..	.....	.....	1,500	55	3,762	53 12 9	.....
280	Empty boats ... ..	.....	.....	35,746	1,203	51,348	337 5 6	.....
708	Total ... ..	86,517	11,626	1,97,729	7,071	1,85,114	2,388 7 3	Rs.
..	Total of same month last year ... ..	.....	.....	.....	.....	.....	.....	A. P.
MISCELLANEOUS.								
5	Boats passed free ... ..	.....	.....	.....	.....	.....	.....	.....
5	Total ... ..	.....	.....	.....	.....	.....	.....	.....
Total of same month last year ... ..		.....	.....	.....	.....	.....	.....	.....

## ABSTRACT.

128	Private, including miscellaneous ... ..	28,304	27,214	18,987	673	31,932	695 0 0	.....
713	Government stores, including miscellaneous ... ..	86,517	11,626	1,97,729	7,071	1,85,114	2,308 7 3	.....
841	Grand Total ... ..	1,14,821	38,840	2,16,596	7,744	2,17,046	3,061 0 3	.....
...	Grand total of same month last year ... ..	.....	.....	.....	.....	.....	.....	.....

## MEMO.

						Rs. A. P.
Unrecovered balance on the 1st of the month ... ..						454 2 10
Amount of tollage for the month ... ..						3,064 0 3
						Total ... 3,518 3 1
Amount credited in the accounts of the month ... ..						3,063 3 11
Balance at the end of the month ... ..						454 15 2

## ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1877-78.		TOLLAGE OF THE YEAR 1876-77.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Kendraparah ... ..	3,512 11 11	24,025 5 11	3,640 14 4	19,714 14 1	
High Level, Section I ... ..	1,060 8 2	7,339 15 8	628 14 0	4,189 15 10	
Taldanda ... ..	105 15 4	1,451 2 8	65 6 2	1,098 11 2	
Total Orissa Circle ... ..	4,679 3 8	32,806 8 3	4,333 2 6	24,003 9 1	
SOUTH-WESTERN CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Midnapore ... ..	13,781 14 3	1,07,033 11 3	3,938 7 9	67,276 8 0	
Hidgeloo Tidal ... ..	1,123 2 6	69,145 14 3	8,116 11 6	46,239 1 1	
Total South-Western Circle ... ..	14,905 0 9	1,66,781 0 6	12,055 3 3	1,13,515 9 1	
SONE CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Arrah ... ..	1,082 7 0	12,634 1 7	985 1 6	4,003 2 5	
Western Main ... ..	354 7 9	3,903 6 0	1,138 5 3	1,079 4 0	
Patna ... ..	3,064 0 3	9,856 12 1	...	.....	
Total Sone Circle ... ..	4,500 15 0	26,395 3 8	2,123 6 9	6,282 6 5	
Grand Total ... ..	24,085 3 5	2,20,043 5 5	18,511 13 6	1,43,801 8 7	

F. T. HAIG, Col., R.E.,

Joint Secy. to the Government of Bengal,  
P. W. Dept., Irrigation Branch.

The 4th May 1878.

GOVERNMENT OF BENGAL.  
PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

KHURDEEF SEASON 1877-78, COMMENCING ON THE 1st JUNE 1877.

RUBBEE SEASON 1875-76, COMMENCING ON THE 1st DECEMBER 1877.

*Irrigation Operations of Lower Bengal during the month of February 1878.*

CIRCLE	DISTRICT.	CANAL.	SUPPLY OF WATER IN THE CANALS										FIVE YEARS LEASES.				THREE YEARS LEASES.				ANNUAL LEASES.		SUGAR-CANES.	GRAND TOTAL.	RAINFALL.			REMARKS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			CANALS										Khurreef.		Rubbee.		Khurreef.		Rubbee.		Grand total of corresponding period of last year.	Total.			Inches during the month.	Inches during the season.	Average of ten previous years of the same period.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			Estimated all discharge in cubic feet per second.	Average discharge in cubic feet per second throughout the month.	Estimated all discharge utilized.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.	Leased during the month.	Leased up to end of the month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Onssa	Cuttack	{ Kendrapara Baramondra Haga Level, Section I. Taldumiah Machhurs Gobri }	1,229	553.45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

F. T. HAIG, Col., R.E.,  
Joint Secy. to the Government of Bengal  
in the P. W. Dept., Irrigation Branch.

The 26th April 1878.

GOVERNMENT OF BENGAL.  
PUBLIC WORKS DEPARTMENT, IRRIGATION, BRANCH.

KHURRUF SEASON 1877-78, COMMENCING ON THE 1ST JUNE 1877  
RABBIT SEASON 1877-78, COMMENCING ON THE 1ST DECEMBER 1877  
*Irrigation Operations of Lower Bengal during the month of March 1878.*

CIRCLE.	DISTRICT.	CANAL.	SUPPLY OF WATER IN THE CANALS.										FIVE YEARS' LEASES.										ANNUAL LEASES.										SUGAR-CANE.										GRAND TOTAL.										RAINFALL.	REMARKS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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			1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.			1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1872-73.	1873-74.	1874-75.

F. T. HAIG, Col., R.E.,  
Joint Secy. to the Government of Bengal  
in the P. W. Dept., Irrigation Branch.

The 10th May 1878.

PUBLIC WORKS DEPARTMENT,—BENGAL.

GENERAL ESTABLISHMENT.—No. 114.—The 13th May 1878.

Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagirathee, and Brahmaputra during the month of April 1878.

Date.	Mileage.	RIVER GANGES.										BRAHMAPUTRA.	
		Muzaffarpore.	Bahar.	Barh.	Patna.	Muzaffarpore.	Sahibganj.	Rampur Barh.	Godda.	Bahar.	Kishanganj.	Godda.	Godda.
		Height.	Height.	Height.	Height.	Height.	Height.	Height.	Height.	Height.	Height.	Height.	Height.
		over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.	over mean sea-level.
1st	1st	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
2nd	2nd	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
3rd	3rd	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4th	4th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
5th	5th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
6th	6th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
7th	7th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
8th	8th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9th	9th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
10th	10th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
11th	11th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
12th	12th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
13th	13th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
14th	14th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
15th	15th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
16th	16th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
17th	17th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
18th	18th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
19th	19th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
20th	20th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
21st	21st	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
22nd	22nd	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
23rd	23rd	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
24th	24th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
25th	25th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
26th	26th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
27th	27th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
28th	28th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
29th	29th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
30th	30th	5.35	20.25	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00

J. E. T. NICOLLS, Major-General, R.E.,  
Secy to the Govt. of Bengal, P. W. Department.



### Report of Fluctuation of Traffic on the Northern Bengal State Railway during the month of February 1878.

#### NORTHERN BENGAL STATE RAILWAY.

##### Increases.

Railway materials ... Mds. 17,738  
 This increase is due to permanent-way material being pushed forward for the Rungpore branch and the extension to Silligorie

Food-grain ... Mds. 23,928  
 Quite five-sixths of the increase shown under this head consisted of rice and paddy. The facilities afforded by through booking and a favourable market in Calcutta has given a wonderful impetus to traffic in this staple, the quantity tendered for despatch having quite outstripped the carrying capacity of the available rolling stock.

Gunny bags ... Mds. 1,270  
 The increase in this staple of traffic is the natural result of the movement in food-grain.

Jute ... Mds. 4,733  
 The increase shown under this head is satisfactory when it is considered that the jute season has quite passed.

Other staples ... Mds. 4,805  
 The increase in the other staples mentioned may be set down as due to the increased facilities afforded by through booking.

#### Statement showing Increases and Decreases in maundage of staples carried over the line during the month of February 1878.

STAPLES.	January.		February		Total		Increase	Decrease.
	Up.	Down.	Up.	Down.	January.	February.		
Food-grain	2,483	6,259	2,321	20,340	7,742	31,670	23,928	...
Gunny bags	3	82	105	1,250	85	1,355	1,270	...
Hides	...	...	...	496	...	190	496	...
Jute	...	832	...	5,565	832	5,565	4,733	...
Piece-goods	97	...	402	86	97	488	391	...
Railway material	20,150	2,775	37,219	3,114	22,925	40,663	17,738	...
Tobacco	1,521	...	12	2,459	1,521	2,471	950	...
All other goods	1,235	1,356	3,609	3,787	2,591	7,396	4,805	...
Total	23,968	11,825	43,668	46,136	35,793	90,104	54,311	...

G. M. DRURY, Traffic Superintendent.

### Weekly Return of Traffic Receipts on Indian Railways.

#### EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 4th May 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.					
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.		Coaching.	Merchandise.		Total.					
		Rs.	A. P.	£	s. d.	Mds. s.	Rs.	A. P.	£	s. d.	Rs.	A. P.			
Total traffic for the week	125,727	1,66,450	1 9	15,258	9 7	14,27,378 30	5,59,442	3 3	51,282	4 0	7,25,808	5 0	47,205½	101,320½	148,535
Or per mile of railway	130 1 1	130 1 1		11 18	6		437	2 5	40	1 5	567	3 6			
For previous 17 weeks of half-year	2,309,731	35,52,510	2 4	325,640	15 3	2,49,16,074 20	91,05,251	6 6	834,648	0 3	1,26,57,761	2 10	790,846½	1,767,710½	2,548,556
Total for 18 weeks	2,524,158	37,18,960	4 1	3,40,905	4 10	2,63,44,653 10	96,61,633	3 9	885,930	4 3	1,33,84,630	7 10	838,052	1,859,040	2,697,092
COMPARISON.															
Total for corresponding week of previous year	126,090½	1,45,557	11 7	13,312	15 10	13,71,052 20	5,57,786	9 3	51,128	12 1	7,03,324	4 10	46,242	113,982	159,224
Per mile of railway, corresponding week of previous year	...	113 11 10		10 8	6	...	435	13 5	39	19 1	540	9 3	...	...	...
Total to corresponding date of previous year	25,47,432	38,77,340	3 0	3,55,422	17 0	2,38,14,571 20	99,35,656	12 11	910,768	10 10	1,38,12,006	15 11	851,630	18,40,799	2,701,429

#### EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 4th May 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. S.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	6,743½	19,205 11 9	1,769 10 6	1,89,003 10	52,206 5 0	4,791 1 7	71,472 0 0	4,954½	12,701½	17,716	
Or per mile of railway		85 13 4	7 17 4		233 9 6	21 8 3	319 6 10				
For previous 17 weeks of half-year	128,194	3,80,232 7 0	34,854 12 10	26,82,028 20	7,76,116 12 0	71,144 0 9	11,56,349 3 6	84,637½	172,841	257,478	
Total for 18 weeks	134,927½	3,90,438 3 3	36,615 3 4	28,71,031 30	8,28,343 1 0	75,035 2 4	12,27,421 4 3	89,592½	186,402½	275,195	
COMPARISON.											
Total for corresponding week of previous year	5,408½	13,125 1 6	1,203 2 9	2,69,610 0	59,197 6 0	5,426 8 6	72,323 7 6	4,418	15,632	20,050	
Per mile of railway, corresponding week of previous year	.....	58 10 7	5 7 6	.....	264 9 1	24 5 1	323 3 8	.....	.....	.....	
Total to corresponding date of previous year	135,113½	4,95,654 12 3	45,425 17 1	44,23,730 10	11,06,740 5 3	101,481 3 11	10,02,295 1 6	91,040	286,000	377,040	

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 4th May 1878 on 158½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Tot recei
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£
Total traffic for the week ... ..	38,009	25,927 13 0	2,467 11 0	2,41,059 35	45,965 3 7	4,213 0 8	6,581
Or per mile of railway ... ..	246	103 3 4	14 10 3	1,523 11	290 7 4	26 12 6	41
For previous 17 weeks of half-year ... ..	724,114	5,76,186 8 4	52,917 2 0	33,17,131 26	7,84,415 12 8	71,805 12 2	1,24,712
Total for 18 weeks ... ..	763,113	6,02,014 6 1	55,184 13 0	35,58,190 21	8,30,281 0 3	76,103 1 10	1,31,293
COMPARISON.							
Total for corresponding week of previous year ... ..	34,442½	22,013 8 10	2,017 18 2	3,01,374 31	66,479 6 2	5,177 3 9	7,194
Per mile of railway, corresponding week of pre- vious year ... ..	214	139 1 8	12 15 0	1,923 15	356 14 4	32 14 4	45
Total to corresponding date of previous year...	677,715½	4,67,466 11 0	42,531 2 2	38,34,839 34	7,15,396 8 10	65,574 0 5	1,08,429

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 13.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	To decr in 1
			31st March 1877.	30th March 1878.	To 31st March 1877.	To 30th March 1878.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
30th March ...	Northern Bengal ... ..	172	...	15,780 0 0	...	1,33,499 0 0	1,33,499 0 0	....
13th April ...	Tirhoot ... ..	82	5,014 0 0	8,588 0 0	67,052 0 0	1,10,129 0 0	63,076 0 0	....
13th " ...	Calcutta and South-Eastern ... ..	28	2,214 0 0	2,449 0 0	27,812 0 0	37,905 0 0	10,093 0 0	....
6th " ...	Nalhati ... ..	27½	1,487 0 0	2,048 0 0	22,151 0 0	24,651 0 0	2,500 0 0	....
	Total ...	309½	8,749 0 0	28,864 0 0	1,07,015 0 0	3,10,173 0 0	2,03,158 0 0	....

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[REGISTERED NO. 29.]

No. 21 of 1878.



SUPPLEMENT TO  
**The Calcutta Gazette.**

WEDNESDAY, MAY 22, 1878.

OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 18th May 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.			
Western Districts.			
BUDDWAN DIV.	1 Burdwan, May 18 '78	2 62	Weather—generally cool. Excessive rain is damaging cotton, <i>teel</i> , and sugarcane. Cultivation has also been stopped during the week. Public health is generally good.
	Raneegunge ...	3 47	
	Jehanabad ...	3 68	
	Cutwa ...	1 48	
	Bood-Bood ...	1 92	
	Culna ...	1 93	
	2 Bankoora, „ 18 „	1 19	Weather—still unusually cool for the time of year. Nearly 12 inches of rain, about twice the average amount, have fallen up to date this year. The heavy rain has retarded the ploughing of rice lands and the planting of sugarcane in the lower country on the east. There have been not a few cases of cholera in some villages, and several outbreaks of small-pox.
	3 Beerbhoom, „ 18 „	3 79	Very heavy rain on Monday the 12th, and rain almost daily. Close upon seven inches have fallen since the first of the month. The people are now complaining that the rain is too much. A burst of fine weather would be welcome.
	4 Midnapore, „ 18 „	0 70	Weather—cool. The state and prospects of the crops are fair. Ploughing and sowing have been interrupted to a certain extent by unusual amount of rain during the week.
	5 Hooghly, „ 18 „	2 60	Rain almost daily. Weather sultry before the rain, but cooler after it. Atmosphere still surcharged with clouds. <i>Aus</i> sowings are going on, though slightly interrupted owing to excessive rain, and the seeds have germinated in places. <i>Amun</i> seedlings are being prepared in nurseries, and those of <i>aus</i> are being transplanted in some places. There has been some damage to <i>pulbuls</i> , <i>uche</i> , and water-melons from excess of rain. Public health is the same as in last week.
	Howrah, „ 20 „	1 90	Weather—unusually wet and cool. There has now been more rain than is necessary at this time of year. Cultivation on the low land is interrupted and some fine weather would do good everywhere.
	Mohesrakha ...	4 13	
Central Districts.			
PRESIDENCY DIV.	6 24-Pergunnahs, May 18 „	2 00	Weather—unusually wet for this time of the year. There was a gale accompanied by rain almost every evening. The continued rain has interfered with sowings. Sporadic cases of cholera are reported, but the public health in general is good.
	7 Naddea, „ 18 „	8 79	Weather—damp and very cool for this season. The condition and prospects of the crops are so far very good. Coarse rice is extremely dear; the average price is about Rs. 3-8 per maund.
	8 Jessore, „ 18 „	1 92	The weather, which was very cool for the time of year, has changed and is now warmer. The prospects of the crops are fair, provided there is a little fine weather.
	Magoora ...	3 46	
	Narail ...	6 81	
	Khoolna ...	2 02	
	Bagirhat ...	3 66	
	Jhenida ...	0 30	
	9 Moorshedabad, „ 18 „	0 77	Weather—showery and cool for the time of year. The state and prospects of the crops are satisfactory. Price of common rice is a little lower at Bhurutpore; elsewhere it is as before. Health of the district is better.
	Lulbagh ...	1 07	
	Jungypore ...	2 50	
	Rampore Hat ...	1 25	
RAJSHAHY AND COOCH BEHAR DIV.	10 Dinagepore, „ 17 „	1 23	Rain in three days. It has been very general. The prospects of the rice crop are good.
	11 Rajshahye, „ 18 „	2 28	All parts of the district have had ample rain; in some parts it has been very heavy. The rain of the week has been most beneficial to the crops which are doing well. The cutting of <i>boro dhan</i> continues. Cholera has considerably decreased.
	12 Rangpore, „ 17 „	0 59	Weather—cool. There is nothing new to report about the crops, the state and prospects of which continue to be favorable. Public health is good for the time of year, except that there are still some cases of cholera.
	Bagdogra ...	0 49	
	Gaibanda ...	2 32	
13 Bogra, „ 18 „	2 48	Weather—cloudy, with sunshine at intervals. There was much rain during the week, especially on the night of the 17th. The <i>kaon</i> is coming into ear. The health of the district is fair, except in Adumdighi and Panchbibi, where there are some fever and cholera still prevalent.	

\* Return of 20th shows rainfall during the week ending 18th.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
Central Districts.—(Contd.)			
RAJSHAHY & COOCH BEHAR DIVS.—contd.	14 Pubna, May 18 '78	1.99	The weather during the week has been generally cloudy and cool for the season. There has been rain generally during the week, which has greatly benefitted the ploughing and sowing of the crops in general. Cholera is still about.
	15 Darjeeling „ 18 „	1.48	Weather—cool. Rain almost every day during the week. All the crops on the Hills and in the Terai are progressing favorably. A few cases of cholera have been reported from the Terai and Pankabaree.
	16 Julpigoree „ „	.....	Return not received.
	Cooch Behar. „ 16 „	1.16	At Behar itself the weather has been favorable; cool with occasional storms. Heavy rain is reported from Dinhatta. Except at head-quarters there has been too much rain. The intervals of fine weather, however, have enabled weeding to go on to a certain extent. Fair weather is still needed. Price of rice still continues very high and of tobacco low. Cholera, which has never been bad, is on the decrease.
	Dinhatta „ „	4.62	
Mathabhanga „ „	2.58		
	Mockligunge „ „	3.30	
Eastern Districts.			
DACCA DIVS.	17 Dacca, May 18 „	2.49	Weather—very cool, with almost daily rain. The state and prospects of the crops are favorable. The rain has been excessive for the time of year, but this is all in favour of the crops at present.
	Moousheegunge „ „	4.12	
	Manickgunge „ „	1.45	
	18 Furreedpore „ 18 „	1.94	Weather—cloudy and showery. The prospects of the crops are good. Sowing of <i>aus</i> and <i>amun dhan</i> is going on, and <i>jalee dhan</i> is being harvested. In the Bhoosna thana the rain is said to have been rather too much for the crops.
	Goulundo „ „	1.12	
Madaripore „ „	4.10		
19 Backergunge „ 16 „	2.86	Occasional heavy showers throughout the week all over the district. The cultivation of <i>aus</i> rice is going on well. There is rather an increase in cholera.	
20 Mymensingh „ 17 „	0.47	The weather has been stormy, but rain partial. Within 35 miles of the station five inches of rain fell in this period. Early rice and jute are promising.	
21 Tipperah „ 17 „	4.63	Violent storms of wind and rain nearly every day. Sowings of <i>amun dhan</i> are going on; <i>aus dhan</i> plants are doing well.	
Sub-division „ „	2.95		
22 Chittagong „ 16 „	2.45	Weather—fine and bright, with occasional heavy showers. <i>Pania aus</i> is being cut in some places. The rain has softened the ground, and has done much benefit to the standing crops. Imports of grain are small, and prices still continue abnormally high.	
23 Noakholly „ 16 „	2.08	Weather—comparatively cool. A sharp storm accompanied by rain passed over the station on the 10th. The cultivation of the early rice crop continues. Public health is good.	
24 Chittagong Hill Tracts „ 14 „	1.32	Weather—seasonable. Occasional falls of rain throughout the week. The rain has done much good to the <i>aus</i> paddy crop, and has facilitated sowing in the jooms.	
Hill Tipperah „ 15 „	3.27	Rainy weather prevailed throughout the week. The heat is much reduced. The young crops are doing well.	
BEHAR.			
PATNA DIVS.	25 Patna, May 18 '78	2.17	Weather—unusually cool. Easterly winds prevail with storms. The rain has benefitted the <i>cheena</i> and sugarcane crops, and has enabled the ryots to prepare their lands for <i>bhadoi</i> and <i>khurreef</i> . The unusual nature of the season causes anxiety, and prices continue to rise.
	26 Gya „ 18 „	1.60	Weather—very like rainy season. Maximum thermometer in the shade 100.4°. No change to report in the state and prospects of the crops. The rain will facilitate ploughings for the <i>bhadoi</i> crops, but might have been a little later with advantage.
	Nowada „ „	1.05	
	Aurungabad „ „	1.3	
	Jehanabad „ „	Not recd.	
27 Shahabad „ 18 „	0.82	Weather—cloudy. The nights are rather cool for the time of the season. East wind prevailing. The <i>cheena</i> is being harvested. The sugarcane being watered by the recent rains is doing well. The rain, however, which has just fallen is regarded as of bad promise, and fears are generally expressed lest the year should be one of short rainfall.	
28 Durbhanga „ 18 „	2.50	Weather—cool and clear after a heavy shower which fell on the 17th. The mango outturn promises to be very good. With unusual exportation of food-grains the prices have risen to famine rates.	
29 Mozufferpore „ 18 „	2.29	Weather—very cool and stormy. The young <i>bhadoi</i> crops wherever sown are in a promising state. The preparation of lands for <i>bhadoi</i> and <i>khurreef</i> sowings is going on rapidly.	
Seetamurhee „ „	2.04		
Hajepore „ „	0.33		

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BEHAR.—(Contd.)			
PATNA.—(Contd.)	80 Sarun, May 18 '78	1.07	Weather—cloudy and stormy during the week. On the 14th a heavy shower of rain with hail fell at head-quarters. Rain has been general throughout the district. The prospects of indigo are much improved. The early <i>cheena</i> is being cut in some places, and the pods of <i>bysaki</i> cotton are being plucked. The rain has been beneficial to indigo and sugarcane, and will to some extent admit of <i>mokai</i> (Indian-corn) being sown on dearah lands.
	Sewan ...	1.08	
	Gopalgunge ...	1.27	
BHAGULPORE DIVISION.	81 Chumpana „ 18 „	1.51	Two heavy showers fell during the week. East winds prevailed. The rain has been of much benefit to the indigo and <i>cheena</i> crops. The land is also in consequence being largely prepared for the autumnal crop. Prices continue high. Small-pox prevails.
	32 Monghyr, „ 18 „	2.08	Weather—stormy and generally cool. No particular alteration, but the rain has caused ploughing to begin already.
	Begoeserai ...	0.41	
	Jamui ...	0.91	
	83 Bhagulpore „ 18 „	2.56	Weather—cool and stormy. This unusual rain is enabling the land to be prepared much earlier than usual. Cholera has almost disappeared.
	84 Purneah, „ 18 „	1.31	Cloudy, cool and stormy weather daily. Easterly wind. Cultivation is progressing favorably. The cultivators look with some suspicion on the continuous rains. Indigo has been damaged in some parts of the district.
ORISSA.	Kissengunge ...	0.12	
	Arrareah ...	0.13	
	35 Maldah, „ 18 „	0.69	Weather—cloudy and damp, with occasional light showers. The <i>bhadoi</i> rice crop is progressing most favorably. No more rain is wanted for the present. There is a slight tendency to a fall in prices. Health is good.
ORISSA DIV.	36 Sonthal Pergas. „ 19 „	0.88	Weather—still very cool for this season. Ploughing is going on everywhere. Sugarcane promises well.
	37 Cuttack May 18 '78	0.53	Weather—hot and cloudy now and then. Ploughing and sowing are now going on everywhere in the district, and the season is most favorable. There are cases of cholera here and there.
	88 Pooree „ 16 „	0.71	Weather—hot and cloudy at intervals. The early <i>dahua</i> rice has been harvested; the outturn is only half of an average crop. The late <i>dahua</i> rice has suffered in many places for want of rain. There was rain generally throughout the district during the week, and ploughing for the next crop is going on. Common rice is selling at $11\frac{1}{2}$ to $14\frac{1}{2}$ seers per rupee, but is not available in large quantities. Rice is still exported by land to the Madras Presidency. There is a barque waiting for cargo off Pooree. Cholera is still reported.
CHOTA NAGPORE.	39 Balasore, „ 17 „	2.28	Weather—cloudy. Heavy rain on the 15th. Sowing and ploughing have been entirely stopped. Public health is good.
	South-West Frontier Agency		
	40 Hazareebagh, May 17 '78	1.04	Weather—unsettled and unseasonable. Another stormy week. No change to report in the state and prospects of the crops. Work is offered to all willing to come forward. No numbers have presented themselves asking for employ, shewing that the pressure is still not very great.
	41 Lohardugga, „ 18 „	2.34	Weather—unseasonably cool; stormy throughout the week, with frequent showers of rain. Agricultural operations are in progress all over the district. All lands have been ploughed and prepared, and sowings of rice and other rainy season crops are proceeding. No change in prices. Frequent cases of small-pox are reported from Palamow; the public health is otherwise good.
	42 Singbhoom, „ 17 „	1.32	Most unusual weather. Rain and storms every day but one during the week. It appears as if the rains have set in. Thermometer only 85°. <i>Bera dhan</i> is up and is progressing splendidly. The land has been prepared for the <i>gora dhan</i> which will be sown in a few days. <i>Goondli</i> and <i>keri</i> have been sown. The late extraordinary wet weather has done good up to date, but a burst of fair weather is now wanted. General health is good.
CHOTA NAGPORE.	43 Manbhoom, „ 18 „	4.71	Very unusual weather. Storm and rain in place of day heat have characterised the week. The state and prospects of the crops are bad. If a break in the weather occurs and lasts long enough, the crops will do; at present the prospects are gloomy, because it is feared that the rains will break up too early.

\* Report of 19th shows rainfall during the week ending 18th.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 21st May 1878.D. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN  
THE UNDERMENTIONED DISTRICTS OF BENGAL FOR  
THE FORTNIGHT ENDING 15<sup>TH</sup> MAY 1878.



RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																			
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, BAJRA.							
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.					
BENGAL.																					
Western Districts.																					
1	Burdwan	...	...	...	A	10 8	10 12	13 8	17 0	21 0	40 0	12 4	12 0	18 8	12 8	12 4	19 4	...	...	...	
2	Bankoora	...	...	...	B	12 0	11 12	16 4	16 0	16 0	32 0	11 4	11 4	24 0	14 0	14 0	27 0	...	...	...	
3	Beerbhoom	...	...	...	C	11 0	11 0	19 0	12 0	12 0	...	10 0	10 8	18 0	12 0	13 0	22 0	...	...	...	
4	Midnapore	...	...	...	...	11 0	11 0	17 0	...	...	...	11 0	11 0	20 0	13 0	13 0	22 0	...	...	...	
5	Hooghly	...	...	...	D	10 0	10 0	13 0	...	...	...	7 8	8 0	10 0	{ 9 8 to 10 0 }	10 0	16 0	...	...	...	
	Howrah	...	...	...	...	10 4	11 0	16 0	...	...	...	8 12	8 12	11 0	13 8	12 0	16 0	...	...	...	
Central Districts.																					
	Calcutta	...	...	...	...	10 9	9 11	12 8	16 0	16 4	25 0	5 11	5 5	9 0	10 0	10 0	13 8	...	...	...	
6	24-Pergunnahs	...	...	...	E	13 4	11 8	13 4	16 0	16 12	...	6 4	6 8	8 0	9 0	10 8	12 12	...	...	...	
7	Nuddea	...	...	...	...	10 10	11 0	13 10	18 5	20 0	35 8	10 0	10 0	14 8	10 8	10 5	15 4	...	...	...	
8	Jessore	...	...	...	F	10 0	10 0	14 0	...	...	...	10 0	9 12	13 5	13 0	11 12	19 12	...	...	...	
9	Moorsheadabad	...	...	...	G	12 0	12 5	19 8	20 0	20 0	35 0	10 8	10 8	15 0	12 0	12 0	19 0	...	...	...	
10	Diunagepore	...	...	...	H	10 8	10 8	17 4	12 8	11 8	18 12	12 0	12 4	21 12	16 13	16 0	30 0	...	...	...	
11	Rajshahye	...	...	...	I	15 0	15 0	18 12	14 0	14 0	60 0	{ 9 0 to 10 0 }	9 0 to 9 12	17 4	{ 12 8 to 13 0 }	12 0	{ 19 11 to 21 9 }	...	...	...	
12	Rungpore	...	...	...	J	10 2	11 4	18 0	...	...	...	10 2	11 4	12 0	14 6	16 8	20 0	...	...	...	
13	Bogra	...	...	...	...	10 14	10 14	17 0	...	...	...	12 0	10 8	19 0	15 0	14 4	29 0	...	...	...	
14	Pubna	...	...	...	K	12 0	12 12	17 0	...	...	...	8 0	6 0	12 0	11 8	11 10	20 8	...	...	...	
15	Darjeeling	...	...	...	L	8 0	8 0	8 0	8 0	8 0	8 0	5 0	5 0	6 8	9 0	9 0	13 0	...	...	...	
16	Julpigoree	...	...	...	M	7 3	7 3	12 5	...	...	...	10 0	10 0	13 2	13 3	12 5	22 0	...	...	...	
Eastern Districts.																					
17	Dacca	...	...	...	N	9 6	10 0	13 4	20 0	29 0	45 0	10 0	11 7	17 8	12 4	13 0	21 5	...	...	...	
18	Furreedpore	...	...	...	O	13 0	16 0	21 0	25 0	25 0	35 0	7 0	7 0	8 0	12 0	12 0	19 0	...	...	...	
19	Backergunge	...	...	...	P	...	...	...	...	...	...	10 0	11 0	14 0	12 0	13 0	17 0	...	...	...	
20	Mymensingh	...	...	...	Q	10 0	10 0	13 0	...	...	...	12 0	12 0	22 0	13 8	13 8	26 8	...	...	...	

A In the interior the prices range as follow :—Wheat 10 to 12 seers, barley 18 to 24 seers, best rice 11½ to 13½ seers, common rice 12½ to 18½ seers, and gram 10½ to 13½ seers.  
B In the interior the prices range as follow :—Wheat 10½ to 13 seers, barley 18 to 36 seers, best rice 11 to 15 seers, common rice 12 to 16 seers, maize or Indian-corn 18 to 35 seers, and gram 12 to 13 seers.  
C In the interior the prices range as follow :—Wheat 11½ to 14½ seers, best rice 12 to 14½ seers, common rice 13 to 15½ seers, and gram 11 to 17 seers.  
D In the interior the prices range as follow :—Wheat 10 to 11 seers, barley 16 to 18 seers, best rice 7 to 10 seers, common rice 9½ to 12½ seers, and gram 11 to 13 seers.  
E In the interior the prices range as follow :—Wheat 10 to 10½ seers, barley 16 seers, best rice 6½ to 6½ seers, common rice 9½ to 12 seers, and gram 10 to 11½ seers.  
F In the interior the prices range as follow :—Wheat 7 to 10 seers, best rice 9 to 11 seers, common rice 10 to 12½ seers, and gram 9 to 11½ seers.  
G In the interior the prices range as follow :—Wheat 11 to 16 seers, barley 19 to 36 seers, best rice 10 to 11 seers, common rice 12 to 13 seers, and gram 14 to 20 seers.

*undermentioned Districts of Bengal for the Fortnight ending 15th May 1878.*

THE SEER OF 80 TOLAHS.

GREAT MILLETS— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHENNA.			MAIZE OR INDIAN- CORN.			GRAM.			FIREWOOD.			SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	BENGAL.
<i>Western Districts.</i>																		
...	...	...	...	...	...	...	...	...	12 4	12 8	24 0	120 0	120 0	160 0	9 0	9 0	9 0	Burdwan.
...	...	...	...	...	...	25 0	28 0	38 0	11 8	11 8	20 0	400 0	440 0	480 0	8 8	8 8	8 10	Bankoor.
...	...	...	...	...	...	...	...	...	12 8	12 8	24 0	200 0	260 0	2 0 0	8 4	8 8	8 4	Beerbhoom.
...	...	...	...	...	...	...	...	...	10 8	12 0	17 0	180 0	180 0	260 0	8 8	8 8	9 0	Midnapore.
...	...	...	...	...	...	...	...	...	11 0	11 0	10 0	120 0	120 0	120 0	9 0	9 0	9 0	Hooghly.
...	...	...	...	...	...	...	...	...	12 8	12 8	16 0	100 0	100 0	120 0	9 12	9 12	10 0	Hôwrah.
<i>Central Districts.</i>																		
...	...	...	...	...	...	...	...	...	12 8	11 0	16 0	64 0	64 0	100 0	8 0	8 0	8 0	Calcutta.
...	...	...	...	...	...	...	...	...	10 8	10 0	16 0	90 0	90 0	90 0	10 0	10 0	9 0	24-Pergunnahs.
...	...	...	...	...	...	...	...	...	12 5	13 5	21 5	120 0	120 0	120 0	9 8	9 8	9 2	Nudda.
...	...	...	...	...	...	...	...	...	11 4	11 4	22 0	110 0	110 0	120 0	8 0	8 4	8 0	Jessore.
...	...	...	...	...	...	...	...	...	14 0	16 1	32 0	120 0	120 0	130 0	8 0	8 0	8 0	Moorshedabad.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9 0	9 0	9 0	
...	...	...	...	...	...	...	...	...	12 8	12 8	19 8	180 0	180 0	180 0	8 0	8 0	8 8	Dinagopore.
...	...	...	...	...	...	...	...	...	15 12	15 12	33 12	160 {	120 0 to 180 0	320	8 10	8 10	9 0	Rajshahye.
...	...	...	...	...	...	...	...	...	9 2	9 2	16 0	107 0	107 0	107 0	7 8	7 8	7 8	Rungpore.
...	...	...	...	...	...	...	...	...	9 15	12 0	16 0	67 8	67 8	67 8	8 1	7 14	7 10	Bogra.
...	...	...	...	...	...	...	...	...	10 0	12 0	25 0	200 0	200 0	200 0	9 0	8 8	9 0	Pubna.
...	...	...	16 0	16 0	9 0	12 0	11 0	20 0	6 0	6 0	8 0	180 0	180 0	170 0	4 0	4 0	6 0	Darjeeling.
...	...	...	...	...	...	...	...	...	8 0	8 0	16 0	64 0	64 0	97 0	7 3	7 3	7 5	Julpigore.
<i>Eastern Districts.</i>																		
...	...	...	...	...	...	...	...	...	10 4	12 12	26 10	90 0	90 0	106 0	8 14	8 14	9 0	Dacca.
...	...	...	...	...	...	...	...	...	16 0	16 0	18 0	...	...	...	9 0	9 0	9 0	Furzedpore.
...	...	...	...	...	...	...	...	...	12 0	12 0	16 0	100 0	100 0	100 0	8 8	8 8	8 8	Backergunge.
...	...	...	...	...	...	...	...	...	10 0	13 8	13 8	...	...	...	8 8	8 8	8 12	Mymensingh.

H In Roygunge the prices are—Wheat 10 seers, best rice 13 seers, common rice 15 seers, and gram 15 seers.

I In Nattore the prices are—Wheat 15 seers, best rice 9 seers, common rice 12½ seers, and gram 12 seers.

J In the interior the prices range as follow :—Wheat 15 to 21 seers, best rice 13½ to 14 seers, common rice (at Bagdogra) 16 seers, and gram 8 to 16 seers.

K In Serajunge the prices are—Wheat 12 seers, best rice 7 seers, common rice 12 seers, and gram 9½ seers.

L In the interior the prices range as follow :—Best rice 5 to 18 seers, common rice 10 to 13 seers, and gram 8 seers.

M In the interior the prices range as follow :—Best rice 8 to 10½ seers, common rice 10 to 16 seers, and gram 8 to 10½ seers.

N In the interior the prices range as follow :—Wheat (at Jaffergunge) 16 seers, best rice 10 to 13 seers, common rice 12 to 14 seers, and gram 10½ to 18 seers.

O In the interior the prices range as follow :—Barley (at Goalundo) 18 seers, best rice 8 to 9½ seers, common rice 10 to 13 seers, and gram 12 seers.

P In the interior the prices range as follow :—Wheat 10½ to 11 seers, common rice 11½ to 14 seers, and gram 10 to 12 seers.

Q In the interior the prices range as follow :—Wheat 10 to 13 seers, best rice 7 to 14 seers, common rice 13 to 14½ seers, and gram 8 to 13 seers.

RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number.		DISTRICTS.		QUANTITIES PER RUPEE BY																							
				WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, BAJRA.											
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.									
Eastern Districts—(Contd.)																											
21	Chittagong	...	...	...	10 0	7 0	12 0	...	...	...	7 0	7 0	8 0	10 0	10 0	12 0	...	...	...								
22	Noakholly	...	...	...	...	...	...	...	...	...	8 0	8 0	11 0	0 0	10 0	10 0	...	...	...								
23	Tipperah	...	...	...	9 0	9 0	12 0	...	...	...	11 0	12 0	13 0	12 8	13 0	19 0	...	...	...								
24	Chittagong Hill Tracts	...	...	...	...	...	...	...	...	...	7 10	7 4	10 0	8 0	8 0	10 10	...	...	...								
	Hill Tipperah	...	...	...	8 5	8 5	10 5	...	...	...	12 0	12 0	17 0	14 0	15 0	28 0	...	...	...								
BEHAR.																											
25	Patna	...	...	...	14 2	14 12	21 0	18 8	20 0	32 0	8 8	9 8	14 0	13 0	15 0	30 8	...	...	...								
26	Gya	...	...	...	12 8	13 8	24 8	17 0	18 0	35 0	7 8	7 8	13 0	0 8	10 0	21 0	...	...	...								
27	Shahabad	...	...	...	12 0	{ 12 8 to 13 0	19 4	17 0	{ 17 0 to 18 0	31 0	10 0	{ 10 0 to 11 0	17 8	11 0	{ 11 8 to 11 12	10 0	...	...	...								
28	Durbhunga	...	...	...	13 0	13 8	20 4	19 8	19 8	33 0	9 4	10 0	14 4	11 8	12 0	17 8	...	...	...								
29	Mozufferpore	...	...	...	13 0	12 0	29 0	17 0	17 0	30 0	7 0	7 0	11 0	11 0	11 0	15 0	...	...	...								
30	Sarun	...	...	...	13 0	12 0	16 4	18 0	18 8	31 8	6 8	6 12	10 8	11 0	11 0	19 0	...	...	...								
31	Chumparun	...	...	...	14 0	14 0	20 0	20 0	22 0	44 0	9 0	9 0	9 0	11 0	11 8	17 0	...	...	...								
32	Monghyr	...	...	...	11 5	11 5	17 8	16 8	15 7	31 5	7 3	8 4	12 8	10 5	10 5	15 7	...	...	...								
33	Bhagulpore	...	...	...	11 5	11 5	17 11	18 15	17 11	37 15	8 13	8 13	18 15	10 1	10 1	20 3	...	...	...								
34	Purneah	...	...	...	{ 12 0 to 14 0	13 0 10 to	23 0 27 8	...	...	...	12 0	11 0	{ 22 0 to 24 0	13 0 to	13 0 14 0	28 0	...	...	...								
35	Maldah	...	...	...	12 8	12 0	20 0	...	20 0	45 0	10 0	10 0	23 0	12 0	12 0	25 8	...	...	32 0								
36	Sonthal Pergunnahs	...	...	...	9 8	9 8	15 0	...	...	14 0	9 0	10 0	20 0	11 0	11 0	24 0	32 0	14 0	32 0								
ORISSA.																											
37	Cuttack	...	...	...	9 3	10 8	15 12	...	...	...	7 14	8 0	14 7	11 13	13 2	19 11	...	...	...								
38	Pooree	...	...	...	10 8	8 8	17 1	...	...	...	7 14	7 14	15 1	11 13	11 13	18 6	...	...	...								
39	Balasore	...	...	...	7 0	9 0	16 0	...	...	...	13 0	13 0	21 0	16 0	16 0	29 0	...	...	...								
CHOTA NAGPORE.																											
South-Western Frontier Agency.																											
40	Hazareebagh	...	...	...	10 8	10 8	19 0	...	...	...	8 0	9 0	12 0	13 0	11 8	21 0	...	...	...								
41	Lohardugga	...	...	...	8 0	9 0	24 0	16 0	18 0	40 0	12 0	12 0	24 0	14 0	14 0	28 0	...	...	...								
42	Singbhoom	...	...	...	14 0	14 0	26 0	36 0	36 0	40 0	14 0	14 0	20 0	22 0	22 0	40 0	...	...	...								
43	Manbhoom	...	...	...	9 0	8 8	19 0	22 0	22 0	28 0	12 0	12 0	20 0	15 0	16 8	30 0	...	...	...								

\* In the interior the price of common rice ranges from 15½ to 19½ seers.  
R In the interior the prices range as follow :—Best rice 6 to 8 seers, and common rice 8 to 9 seers.  
S In the interior the prices range as follow :—Best rice 8 to 11 seers, and common rice 8 to 13 seers.  
T In the interior the prices range as follow :—Wheat 12½ to 14½ seers, barley 15½ to 18 seers, best rice (at Jehanabad) 8 seers; common rice 10 to 11 seers, and gram 12½ to 15½ seers.  
U In the interior the prices range as follow :—Wheat 12½ to 13 seers, barley 16 to 18 seers, best rice 7 to 10 seers, common rice 9 to 12 seers, lesser millet (at Sarveram) 16 seers, maize or Indian-corn 14 to 16 seers, and gram 13 to 14 seers.  
V In the interior the prices range as follow :—Wheat 11½ to 16 seers, barley 14 to 22 seers, best rice 7 to 11½ seers, common rice 11 to 13 seers, murwa 14 to 20 seers, maize or Indian-corn 14 to 20 seers, and gram 13 to 14 seers.  
W In the interior the prices range as follow :—Wheat 12 to 18 seers, barley 14½ to 20½ seers, best rice 10 to 14 seers, common rice 10½ to 15 seers, lesser millets 17½ to 23 seers, maize or Indian-corn 12½ to 23 seers, and gram 12 to 10½ seers.  
X In the interior the prices range as follow :—Wheat 18 to 16 seers, barley 20 to 22½ seers, best rice 8 to 10 seers, common rice 9 to 12 seers, lesser millets 20 to 22½ seers, maize or Indian-corn 15 to 20 seers, and gram 12 to 18 seers.

## mentioned Districts of Bengal for the Fortnight ending 15th May 1878.—(Contd.)

THE SEER OF 80 TOLAHS.

GREAT MILLET— CHOLU, JOYAR.									LESSER MILLETS— RAGI OR MURWA AND CHENNA.									MAIZE OR INDIAN- CORN.									GRAM.						FIRWOOD.						SALT.						DISTRICTS.
Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.			Present return.			Next preceding return.			Corresponding return of last year.			
S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.							
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakhully.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tract.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.								
Eastern Districts—(Contd.)																																													
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	BEHAR.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.								
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...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darbhunga.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Muzafferpore.								
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...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Monghyr.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bhagulpore.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Purneah.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Maldah.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Pergas.								
ORISSA.																																													
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.								
CHOTA NAGPORK.																																													
South-Western Frontier Agency.																																													
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hazareebagh.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lohardugga.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singbhoon.								
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Manbhoon.							

Y In Begusarai the prices are—Wheat 13½ seers, barley 10½ seers, best rice 8½ seers, common rice 11½ seers, great millet 10½ seers, lesser millets 21 seers, maize or Indian-corn 12½ seers, and gram 10½ seers.

Z In the interior the prices range as follow :—Wheat 13 to 16 seers, best rice 10 to 12 seers, common rice 11½ to 13 seers, muwa (at Mudhepore) 28 seers, maize or Indian-corn (at Banka) 18 seers, and gram (at Banka) 13 seers.

Z1 In the interior the prices range as follow :—Wheat 12 to 20 seers, best rice 11 to 12 seers, common rice 12 to 14 seers, and gram 13 to 17 seers.

Z2 In the interior the prices range as follow :—Wheat 11½ seers, best rice 10½ to 11½ seers, common rice 11½ to 13 seers, and gram 13 to 14 seers.

Z3 In the interior the prices range as follow :—Wheat 11 to 13 seers, barley 15 to 16 seers, best rice (at Chuttna) 9 seers, common rice 12 to 12½ seers, maize or Indian-corn 13½ to 14 seers, and gram 12 to 13½ seers.

Z4 In the interior the prices range as follow :—Wheat 11 to 11½ seers, best rice 9 to 16 seers, common rice 11½ to 17 seers, muwa (at Dalton-gunge) 30½ seers, and gram 12½ to 17 seers.

WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARKS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMDOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 12 6	3 11 0	...	2 8 0	2 10 0	...	7 0 0	7 7 0	...	3 14 6	4 4 0	...	...	...	...
2	Berajunge ...	3 4 0	3 2 0	...	...	...	...	5 0 0	5 0 0	...	3 6 0	3 4 0	...	...	...	...
3	Dacca ...	4 0 0	3 14 0	...	1 14 0	1 5 0	...	3 14 0	3 6 0	...	3 2 0	3 0 0	...	...	...	...
4	Naraingunge...	...	...	...	...	...	...	3 5 0	3 4 0	...	3 3 0	3 2 0	...	...	...	...
5	Chittagong ...	...	...	...	...	...	...	5 8 0	5 4 0	...	3 14 0	4 0 0	...	...	...	...
6	Patna ...	2 13 0	2 12 0	...	2 2 6	2 0 0	...	4 11 6	4 3 6	...	3 1 3	2 10 9	...	...	...	...
7	Balasore ...	4 2 0	4 0 0	...	...	...	...	2 12 0	2 14 0	...	2 4 0	2 4 0	...	...	...	...
8	Poorce ...	...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	...	...	...	...
9	Cuttack ...	4 2 0	3 10 0	...	...	...	...	6 6 0	4 12 0	...	3 4 0	3 0 0	...	...	...	...

CALCUTTA,  
The 21st May 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 15th May 1878.

OF 40 SEERS.

GREAT MILLET— CHOLUM, JOWAH.			LEASER MILLETS— KAGI OR MURWA AND CHRENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
...	...	...	...	...	...	...	...	...	3 3 6	3 10 0	...	0 9 0	0 9 0	...	4 8 0	4 8 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	4 0 0	3 0 0	...	...	...	...	4 6 0	4 6 0	...	Serajgunge.
...	...	...	...	...	...	...	...	...	3 6 0	3 0 0	...	0 5 0	0 5 0	...	4 0 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 10 0	3 10 0	...	0 11 0	0 11 0	...	4 5 6	4 5 6	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	2 8 6	2 3 6	...	2 10 9	2 7 0	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 4 0	4 2 0	...	0 5 10	0 5 10	...	5 2 0	5 12 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	1 13 0	1 12 0	...	...	...	...	2 6 0	2 6 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

D. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 28th April to 4th May 1878.	Rain from 5th May 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.	Burdwan ... ..	3.76	2.74	11.31	11th May		
		Cutwa ... ..	2.76	2.75	10.09	ditto		
	Burdwan ... ..	Culna ... ..	5.52	2.10	14.71	ditto		
		Bood-Bood ... ..	0.59	2.83	7.76	ditto		
		Raneegunge ... ..	1.40	2.76	6.96	ditto		
		Jehanabad ... ..	4.45	1.29	10.94	ditto		
	Bankoora ... ..	Bankoora ... ..	1.71	0.80	10.32	ditto		
	Beerbhoom ... ..	Sooree ... ..	0.26	2.89	6.28	ditto		
		Hetampore ... ..	1.56	2.36	5.73	ditto		
		Roypore ... ..	1.45	2.07	6.42	ditto		
	Midnapore ... ..	Midnapore ... ..	1.25	0.58	5.36	ditto		
		Tumlook ... ..	0.80	4.01	8.67	ditto	Not received 14th to 20th April.	
		Ghatal ... ..	Not recd.	0.00	7.52	ditto	Ditto 28th April to 4th May	
	Hooghly ... ..	Contai... { Dy. Collr.'s Office ...	0.42	Not recd.	3.40	4th May		
		Exe. Engr.'s Office ...	0.27	ditto	3.36	ditto		
		Hooghly ... ..	2.54	7.16	14.15	11th May		
Howrah ... ..	Seraampore ... ..	1.49	4.40	11.21	ditto			
	Howrah ... ..	2.84	5.19	13.96	ditto			
PRESIDENCY.	CENTRAL DISTRICTS.	Maheshreeka ... ..	5.05	1.23	12.50	ditto		
		Saugor Island ... ..	0.10	1.90	4.80	ditto		
	24-Pergunnahs ... ..	Alipore ... { Observatory ...	3.08	5.35	12.99	ditto		
		Dispensary ...	4.08	6.01	17.55	ditto		
		Jail ...	3.99	6.08	17.46	ditto		
		Busseerhat ... ..	2.22	4.58	11.53	ditto		
		Baraset ... ..	2.05	4.87	11.74	ditto		
		Diamond Harbour ... ..	1.61	4.43	12.72	ditto		
		Barrapore ... ..	1.92	3.76	11.03	ditto		
		Satkhira ... ..	2.17	4.31	14.68	ditto		
		Barrackpore ... ..	1.31	4.60	10.76	ditto	Not received 21st to 27th April.	
		Dum-Dum ... ..	2.07	4.35	13.63	ditto		
		Kishnaghur ... ..	2.50	0.63	9.70	ditto		
		Bongong ... ..	5.35	2.49	15.84	ditto		
		Nuddea ... ..	Meherpore ... ..	2.23	0.65	6.58	ditto	
			Choomalanga ... ..	2.65	2.26	12.37	ditto	
Kooshtea ... ..	Not recd.		0.96	8.57	ditto	Not received 28th April to 4th May		
Ranaghat ... ..	5.10		4.13	20.40	ditto			
Jessore ... ..	5.95		2.04	16.89	ditto			
Jeesore ... ..	Narail ... ..	2.88	1.19	11.68	ditto			
	Khoolna ... ..	2.83	5.71	14.01	ditto			
	Jhendah ... ..	1.70	0.82	13.73	ditto			
	Baghat ... ..	2.97	4.67	11.99	ditto			
	Magoorah ... ..	1.54	3.24	14.35	ditto			
Moorshedabad ... ..	Behampore ... ..	0.05	2.47	4.90	ditto			
	Rampore Haut ... ..	0.14	1.04	8.00	ditto			
	Lalbagh ... ..	Nil	1.34	4.24	ditto			
	Jungypore ... ..	1.84	1.45	5.09	ditto			
	Azumung ... ..	0.60	1.82	5.24	ditto			
	Lalgolla ... ..	2.14	1.32	5.64	ditto			
	Kandee ... ..	Nil	1.66	7.48	ditto			
Dinagopore ... ..	Dinagopore ... ..	1.26	0.67	6.06	ditto			
	Rangunge ... ..	3.25	0.09	6.30	ditto			
	Mahadebpore ... ..	Not re-corded.	Nil	Nil	ditto	From 5th May.		
Maldah ... ..	Maldah ... ..	1.75	1.13	7.03	ditto			
	Chanchal ... ..	2.19	Nil	5.41	ditto			
	Baulah ... ..	1.38	1.95	5.81	ditto			
Rajshahye ... ..	Nattore ... ..	3.17	2.60	7.77	ditto			
	Rangpore ... ..	2.64	1.52	8.62	ditto			
Rangpore ... ..	Bhabanigunge ... ..	2.34	3.56	11.26	ditto			
	Kumgram ... ..	0.89	1.88	11.11	ditto			
	Bagdogra ... ..	3.34	0.49	15.03	ditto			
RAJSHAHY.	Bogra ... ..	Bogra ... ..	1.12	2.14	6.90	ditto		
		Sherpore ... ..	1.77	2.39	8.15	ditto		
		Nowkhula ... ..	1.42	1.89	8.16	ditto		
		Panchubibi ... ..	0.37	Not recd.	3.94	4th May		
Pubna ... ..	Pubna ... ..	0.93	0.81	6.69	11th May			
	Seragunge ... ..	0.50	1.23	9.72	ditto			
	Darjeeling ... { Telegraph Office ...	2.79	1.94	12.92	ditto			
COOCH BEHAR.	Darjeeling ... { Hospital ...		2.78	1.78	11.13	ditto		
		Julpigoree ... ..	3.10	4.32	12.62	ditto		
		Boda ... ..	2.10	0.43	6.42	ditto		
Julpigoree ... ..	Buxa—Civil Surgeon's Office	7.11	0.36	16.54	ditto			
	Titalya ... ..	3.55	0.73	7.33	ditto			
	Cooch Behar Tribu-tary States.	Cooch Behar ... ..	3.85	2.66	12.82	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 28th April to 4th May 1878.	Rain from 5th to 11th May 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.	
					Inches.	Up to date.		
BENGAL—continued.								
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.			
	Dacca	Dacca... { Telegraph Office... 2.48 Not recd. 8.63 4th May	Hospital ... 2.73 2.47 11.40 11th May					
		Moonsheegunge ... 2.59 3.83 12.26 ditto	Manickgunge ... 0.98 0.97 7.76 ditto					
		Furreedpore	Furreedpore ... 1.18 1.44 13.68 ditto	Goalundo ... 1.46 2.44 8.12 ditto	Madaripore ... 4.82 4.19 20.40 ditto			
	Backergunge	Borrisal ... 0.86 2.67 7.93 ditto	Perozepore ... 4.13 3.26 11.06 ditto	Patoakhally ... 1.21 2.75 7.35 ditto	Bhola ... 0.46 0.69 5.07 ditto			
		Mymensingh	Mymensingh ... 2.79 4.41 16.25 ditto	Jamulpore ... 2.40 4.59 12.67 ditto	Atia ... 1.98 1.54 8.03 ditto	Kishoregunge ... 1.95 2.11 13.02 ditto		
			Chittagong	Chittagong { Telegraph Office 1.70 1.70 7.70 ditto	Jail ... 1.61 2.79 9.60 ditto	Cox's Bazar ... Nil 4.08 8.60 ditto		
	Noakholly			Noakholly ... 0.40 1.88 8.93 ditto	Fenny ... 1.04 2.38 6.56 ditto			
		Tipperah		Comillah ... 0.90 2.68 13.23 ditto	Brahmunbariah ... 1.11 2.06 12.38 ditto			
	Chittagong Tracts.		Hill { Rungamtee Hill... 1.25 2.61 12.80 ditto	Ruma ... 2.04 2.53 12.87 ditto			From 17th February.	
		Hill Tipperah	Hill Tipperah ... 1.55 4.24 15.17 ditto					
	BEHAR.							
	PATNA.	Patna	Patna ... 0.30 Nil 2.17 ditto	Behar ... 0.44 0.06 1.94 ditto	Barh ... 1.10 0.18 2.72 ditto	Dinapore ... 0.68 Nil 2.95 ditto		
			Gya	Gya ... 0.20 0.32 2.06 ditto	Nowadah ... 1.16 1.80 5.27 ditto	Aurangabad ... Nil Nil 2.15 ditto	Jehanabad ... 0.22 1.50 4.13 ditto	
Shahabad				Arrah ... 0.35 0.57 3.40 ditto	Basseram ... 0.09 0.18 1.78 ditto	Bunar ... 0.59 0.80 4.77 ditto	Bhuboonah ... 0.10 Not recd. 3.31 4th May	Not received 24th to 30th March.
				Mozufferpore	Mozufferpore ... Nil 0.77 3.22 11th May	Hajeeapore ... 0.19 0.07 1.74 ditto	Sectamurhee ... 0.21 1.02 5.63 ditto	
		Durbhanga	Durbhanga ... 0.25 0.79 2.44 ditto		Mudhoobunsee ... 0.17 0.16 1.55 ditto	Tajpore ... 0.93 0.60 2.25 ditto		Not received 7th to 13th April.
Sarun			Chupra ... 0.71 Not recd. 2.33 4th May		Sewan ... 0.17 ditto 3.08 ditto			
			Chumparan	Motiharee ... 0.59 0.61 3.93 11th May	Bettiah ... 0.20 Not recd. 2.61 4th May	Segowlee ... 0.78 0.29 4.92 11th May		
Monghyr		Monghyr ... 1.65 Nil 3.01 ditto		Begoesera ... 1.16 ditto 3.67 ditto	Jamoose ... 1.18 0.76 3.66 ditto			
		Bhagulpore		Bhagulpore ... 1.40 0.05 4.91 ditto	Soopool ... 0.63 Not recd. 1.13 4th May	Muddehpooora ... 1.19 1.90 5.29 11th May	Bauka ... 0.70 0.39 3.79 ditto	Sonbursa ... 1.27 0.28 2.95 ditto
			Purneah	Purneah ... 1.45 0.31 5.25 ditto	Kissengunge ... 1.25 0.31 5.45 ditto	Arrareah ... 1.17 1.27 9.00 ditto		
Sonthal Pergunnahs				Nya Doomka ... 1.35 0.98 3.74 ditto	Rajmehal ... 4.30 2.50 11.55 ditto	Deoghur ... 1.02 2.58 6.57 ditto	Godda ... 4.30 2.71 8.43 ditto	Not received 14th to 20th April.

From 17th February.

Not received 24th to 30th March.

Not received 7th to 13th April.

Not received 14th to 20th April.



DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 28th April to 4th May 1878.	Rain from 5th to 11th May 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.		
					Inches.	Up to date.			
ORISSA.	Cuttack	Cuttack... { Telegraph Office	Nil	2'00	3'10	11th May	Not received 28th April to 4th May.		
		Jaipore ... { Hospital	ditto	2'45	4'43	ditto			
		Kendraparah ...	0'60	4'60	6'00	ditto			
		Jagatsingapore ...	Nil	3'00	4'70	ditto			
		Jagatsingapore ...	Not recd.	Not recd.	0'70	27th April			
	False Point	False Point ...	Nil	2'40	3'80	11th May			
		Poorbe ...	ditto	0'43	0'61	ditto			
	Khurda	Khurda ...	ditto	2'24	3'15	ditto			
		Balasore ...	2'38	1'64	11'03	ditto			
	Bhadrack	Bhadrack ...	0'47	3'39	7'72	ditto			
		Jellasore ...	0'85	4'30	11'60	ditto			
		Sorah ...	0'77	3'58	9'65	ditto			
		Chandbally ...	Nil	4'08	8'25	ditto			
	Cuttack Tributary Mehals.	Sambalpure ...	0'31	Not recd.	3'16	4th May			
	CHOTA NAGPORE.								
	SOUTH-WESTERN FRONTIER AGENCY.								
	Hazareebagh	Hazareebagh... { Jail	0'98	1'18	4'85	11th May			
		Dispensary ...	0'68	1'32	4'46	ditto			
	Pachamba	Pachamba ...	0'49	0'15	2'37	ditto			
		Ranchee ...	0'93	1'80	8'80	ditto			
	Lohardugga	Palainow ...	0'78	0'14	2'96	ditto			
Singbhoom ...		Chyebassa ...	1'79	1'68	8'94	ditto			
Maunbhoom	Purulia ...	0'51	1'82	10'00	ditto				
	Govindpore ...	Not recd.	0'75	3'49	ditto				
ASSAM & ADJACENT HILLS.									
Sylhet	Sylhet	1'68	8'96	35'35	ditto				
Sibsagar	Sibsagar ...	1'76	Not recd.	13'01	4th May				
	Golaghat ...	3'44	ditto	23'32	ditto				
	Jorhat ...	1'85	ditto	12'71	ditto				
Akyab	Akyab ...	Nil	0'80	1'60	11th May				
	Alwar ...	ditto	0'40	1'60	ditto				
	Jaipur ...	ditto	0'02	1'65	ditto				
	Sambhar ...	ditto	Nil	0'40	ditto				

CALCUTTA,  
The 18th May 1878.

ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Météorological Telegraphic Report for the period 12th to 18th May 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORA.	May 12th	10	29.819	29.840	85.9	79.3	74	S	6.3	.....	CK	c
	16	10	29.731	29.753	81.0	72.9	67	E	6.2	.....	P, FK	
	13th	10	29.832	29.854	81.5	75.0	73	E N E	5.8	0.37	.....	c
	18	10	29.885	29.906	84.7	79.2	64	S E by E	3.5	.....	K	
	14th	10	29.839	29.861	80.9	74.8	74	N E by E	6.3	.....	CK	c
	16	10	29.720	29.741	87.0	77.3	62	S S W	6.8	.....	K, FK	
	15th	10	29.854	29.876	82.7	79.2	85	N by E	3.5	0.19	.....	c
	16	10	29.732	29.753	85.8	75.0	59	S	7.2	.....	K	
	16th	10	29.791	29.813	86.0	80.5	78	S S W	6.3	0.07	K, FK	c
	16	10	29.685	29.706	90.1	79.4	61	S	8.3	.....	C, K	
SAVONR ISLAND.	17th	10	29.834	29.855	85.5	77.0	66	S W by S	5.3	0.93	CK, PC	c
	16	10	29.748	29.769	86.9	76.8	62	N by W	6.5	.....	K, PK	
	18th	10	29.812	29.833	86.3	78.0	67	N E	3.8	.....	.....	b
	16	10	29.689	29.710	90.6	80.3	63	E	2.0	.....	K, FK	
	May 12th	10	29.820	29.842	87	80	72	S S W	8.6	.....	FK	b, m
	16	10	29.700	29.720	88	81	73	S	12.6	.....	K	
	13th	10	29.821	29.842	87	80	72	S E	8.8	.....	K	b
	16	10	29.700	29.720	88	79	66	S	9.0	.....	K	
	14th	10	29.815	29.831	86	79	72	E N E	7.1	.....	PK	b
	16	10	29.726	29.742	87	79	69	S S E	6.0	.....	K	
CHITRAGON.	15th	10	29.830	29.836	88	81	73	W S W	4.7	.....	K	b, m
	16	10	29.748	29.754	86	77	65	S E	8.9	.....	PK	
	16th	10	29.801	29.807	88	81	73	S S W	11.4	.....	K	b, m
	16	10	29.702	29.708	89	82	73	S	13.7	.....	PK	
	17th	10	29.833	29.839	89	79	63	N	14.1	0.40	PK	b, m
	16	10	29.749	29.755	88	80	69	W	7.1	.....	PC	
	18th	10	29.810	29.816	88	82	76	N W	2.0	.....	CK	b, m
	16	10	29.709	29.714	89	82	73	S W	8.5	.....	PK	
	May 12th	10	29.779	29.870	84	75	64	W N W	6.0	0.50	K	b, m
	13th	10	29.784	29.875	85	76	64	S E	6.3	.....	K	
AKYAB.	14th	10	29.779	29.870	83	79	83	Calm	2.3	.....	PK	b
	15th	10	29.791	29.881	88	80	69	S S W	2.3	.....	K, PK, C	
	16th	10	29.776	29.867	85	78	72	Calm	3.5	.....	K, CK	v
	17th	10	29.811	29.903	87	79	65	W S W	3.0	.....	K	
	18th	10	29.734	29.826	88	78	62	Calm	4.3	.....	K, CK	v
	May 12th	10	29.814	29.866	81	78	78	S E	4.3	1.90	CK, P	
	13th	10	29.801	29.852	88	77	59	E S E	1.5	.....	C	c
	14th	10	29.801	29.852	88	77	59	E	1.7	0.80	C	
	15th	10	29.808	29.859	88	79	66	E S E	2.4	0.40	C	c
	16th	10	29.858	29.870	88	80	69	E S E	2.6	.....	CK	
DIAMOND ISLAND.	17th	10	29.846	29.907	88	80	69	N E	2.7	.....	CK, P	c
	18th	10	29.828	29.849	87	80	72	E	3.3	.....	CK	
	May 12th	10	29.881	29.922	90	83	73	N W	6.1	.....	.....	b
	13th	10	29.841	29.883	80	81	77	W N W	5.9	.....	.....	
	14th	10	29.853	29.894	80	83	73	N W	5.9	.....	.....	b
	15th	10	29.821	29.865	88	83	73	N W	4.9	.....	.....	
	16th	10	29.850	29.891	88	83	80	W N W	5.7	.....	.....	b
	17th	10	29.861	29.902	80	82	73	N N E	3.9	.....	.....	
	18th	10	29.850	29.892	82	78	84	S E	7.1	1.90	C	u, s
	May 12th	10	29.765	29.847	81	73	67	N E	4.4	.....	K, PK	
CUTTACK.	13th	10	29.720	29.806	86	78	62	E S E	4.0	.....	CK, C	b
	14th	10	29.738	29.809	86	74	55	S	5.2	0.10	CK, C	
	15th	10	29.738	29.818	91	79	57	E S E	1.7	.....	K, C	c
	16th	10	29.703	29.784	85	80	54	S S W	3.8	.....	.....	
	17th	10	29.825	29.907	85	73	54	W	6.4	.....	CK, C	b
	18th	10	29.730	29.810	92	77	48	S S W	1.0	.....	C, CK	
	May 12th	10	29.809	29.824	88	79	66	S S E	8.5	0.80	K, PK, C	c
	13th	10	29.794	29.809	86	75	64	S S E	8.0	0.90	C	
	14th	10	29.810	29.825	90	78	64	E	7.0	.....	C, CS	c
	15th	10	29.822	29.837	90	81	66	S S E	4.0	.....	C	
VIZAGAPATAM. FALCON POINT.	16th	10	29.789	29.804	90	82	70	S	5.7	0.90	PK, CK	c
	17th	10	29.894	29.909	87	75	55	W N W	8.2	.....	C, CK	
	18th	10	29.809	29.824	89	79	66	Calm	2.5	.....	C, CK	c
	May 12th	10	29.804	29.815	89	81	69	S W	5.9	0.20	C, CS	
	13th	10	29.791	29.822	87	78	65	W N W	3.1	0.40	.....	b
	14th	10	29.791	29.823	87	77	62	S E	1.0	.....	.....	
	15th	10	29.811	29.842	87	77	62	W	1.8	0.20	.....	b
	16th	10	29.794	29.825	90	80	63	S W	1.6	.....	.....	
	17th	10	29.864	29.895	89	81	69	S E	2.2	.....	.....	b
	18th	10	29.800	29.810	95	80	69	N by E	1.3	.....	.....	
MADRAS.	May 11th	10	29.883	29.905	92	78	44	S S W	13	.....	.....	b, c
	16	10	29.731	29.753	92	81	61	S E by S	16	.....	.....	
	12th	10	29.868	29.890	97	78	40	S S W	10	.....	.....	b, c
	16	10	29.691	29.713	93	81	47	S E by S	16	.....	.....	
	13th	10	29.823	29.845	96	80	67	S	13	.....	.....	b, c
	16	10	29.706	29.722	88	80	69	E by S	14	.....	.....	
	14th	10	29.792	29.814	90	82	70	S S E	14	0.01	.....	c
	16th	10	29.738	29.760	92	79	51	S	11	.....	.....	
	15th	10	29.839	29.861	92	78	51	S by E	8	0.39	.....	cloudy
	16	10	29.711	29.733	90	81	66	S E by S	16	.....	.....	
COLOMBO.	16th	10	29.829	29.851	92	79	51	S S W	9	.....	.....	c
	16	10	29.742	29.764	91	80	60	S E	14	.....	.....	
	17th	10	29.849	29.871	93	82	61	S	9	.....	.....	c
	16	10	29.755	29.777	92	82	64	S E by E	15	.....	.....	
	May 12th	10	29.672	29.693	87	83	81	S	2.6	.....	C	c
	13th	10	29.852	29.872	89	83	77	W by S	4.3	.....	S	
	14th	10	29.855	29.896	83	77	75	S S W	10.1	2.80	C	c
	15th	10	29.820	29.860	88	83	80	S by W	15.0	.....	C	
	16th	10	29.862	29.892	86	81	80	S S W	7.3	.....	.....	c
	17th	10	29.875	29.915	85	79	76	S W	1.3	.....	.....	
COLOMBO.	18th	10	29.898	29.939	75	73	90	N E	12.7	1.20	.....	o, l, r, t

\* Velocity of wind in miles per hour.

## Abstract of Observations as received in the Meteorological Office, Calcutta, during the month of March 1878.

N.B.—The Barometric data are reduced for temperatures and not for height above sea-level.

STATIONS.	Height above sea-level.	BAROMETER				RADIATION THERMOMETER.				TEMPERATURE OF AIR.				VAPOUR TENSION.				HUMIDITY.		RAIN-FALL.												
		MEAN OF		Max.	Min.	SOLAR.		GROSS NOCTURNAL.		MEAN OF		Highest MAX.	Lowest MIN.	MEAN OF		From minima.	16 hours.	10 hours.	From minima.													
		10 hours.	16 hours.			Above max. in shade.	Mean.			Mean of max.	Mean of min.			10 hours.	16 hours.																	
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF		MEAN OF												
		MEAN OF		GROSS NOCTURNAL.		MEAN OF																										

Mean Pressures and Temperatures of the preceding Table reduced to sea-level, with Anemometric Results and Cloud Observations.

STATIONS.	Mean barometric pressure reduced to sea-level.	Mean temperature reduced to sea-level.	WIND.										Percentage and resultant.	Mean velocity daily.	Mean clouds.
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.	Calm.				
Seeshaugor ... ..	30.012	89.3	1	20	18	7	3.	2	1	2	2	63 N 73 E	71.0	6.73	
Goalpara ... ..	29.954	75.3	1	4	23	5	1	1	11	4	12	24 N 85 E	100.0	2.23	
Darjeeling ... ..	...	...	...	1	...	2	28	13	7	2	9	52 S 29 W	...	5.87	
Purneah ... ..	.915	76.8	1	6	10	4	1	10	21	2	...	13 S 57 W	89.2	0.97	
Durbhunga ... ..	.917	74.3	2	7	13	0	...	11	17	6	...	11 S 83 W	72.3	1.34	
Patna ... ..	.918	78.4	...	...	7	...	...	53	...	...	...	77 S 88 W	46.2	2.03	
Gya ... ..	.937	82.1	3	0	2	3	...	2	25	13	8	45 N 76 W	79.8	1.52	
Hazareebagh ... ..	.910	80.4	2	1	3	4	1	4	23	24	...	62 N 70 W	166.3	1.58	
Berhampore ... ..	.909	78.7	6	2	2	2	7	18	20	6	...	55 S 72 W	95.4	1.06	
Burdwan ... ..	.921	81.3	4	1	...	1	15	12	23	6	...	61 S 66 W	83.8	1.63	
Jessore ... ..	.921	78.6	9	1	...	22	12	5	7	6	...	28 S 6 E	69.2	3.32	
Dacca ... ..	.935	78.9	...	1	4	2	21	16	3	1	14	54 S 15 W	116.2	3.44	
Sulchar ... ..	.979	74.4	...	3	12	1	1	3	2	...	40	17 S 81 E	69.7	3.37	
Chittagong ... ..	.973	78.9	5	4	2	4	11	16	14	3	3	40 S 52 W	149.1	3.29	
Demagree ... ..	...	...	8	1	...	4	6	6	7	5	25	18 S 86 W	...	0.45	
Alipore ... ..	.934	78.5	7	5	3	3	17	52	27	10	...	59 S 58 W	154.1	2.42	
Saugor Island ... ..	.929	81.1	6	7	1	9	49	36	11	5	...	58 S 23 W	263.4	3.31	
Cuttack ... ..	.932	84.8	1	7	5	...	23	18	3	3	1	47 S 16 W	160.2	3.16	
False Point ... ..	.913	80.1	...	3	4	7	25	10	10	1	2	56 S 11 W	183.9	3.59	
Vizagapatam ... ..	.957	84.7	...	...	...	22	36	14	49	3	...	60 S 37 W	63.5	1.72	
Madras ... ..	.987	81.0	...	2	19	40	1	...	...	...	...	90 S 60 E	144.0	2.90	
Akyab ... ..	30.001	79.8	6	7	13	2	6	2	20	6	...	11 N 45 W	83.9	2.89	
Port Blair ... ..	29.970	84.4	8	36	17	...	...	...	...	1	...	68 N 36 E	163.4	3.48	
Nancowry ... ..	.967	84.7	...	3	31	26	...	1	...	...	1	80 S 72 E	169.7	2.32	
Roorkee ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Allahabad ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

NOTE.

Barometric Pressure.—The pressures in column 2 of the above table for all stations below 500 feet are reduced from those given in column 3 of the table on the previous page, by adding the weight of a column of air of the temperatures given in column 18. For stations above 500 feet elevation the reduction is made by Captain Allan Cunningham's table, "Prof. papers on Indian Engineering, No. CXIII." The temperatures at the sea-level are taken from column 3 of the above table.

Temperature.—The temperatures in column 3 are reduced from those in column 18 on the preceding page, by adding 1° Fahrenheit for every 450 feet.

Wind Resultant.—The resultant wind direction and its comparative predominance are calculated from the whole number of wind observations recorded during the month. The relative predominance in the direction of the resultant is given as a percentage of the whole number of observations. The direction is computed in the usual way by Lambert's formula.

Cloud.—This column gives the average proportion of clouded sky, a cloudless sky being indicated by 0, and one completely overcast by 10.

The above, being all comparable, afford the data for constructing a meteorological chart for the month which will show the isobaric and isothermal lines and the resultant wind directions, which last may be represented by arrows of varying length, proportioned to the prevalence of the wind. To these may be added the rainfall from the previous tables.

ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

CALCUTTA,  
The 18th May 1878.

### Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th May 1878.

Month.	Date	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				Prevailing direction.	Miles recorded.	Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.				
1878.		☉	Inches.	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
May	12th	150.7	29.708	78.3	90.6	15.6	75.0	75.2	0.835	73.8	86	Till 2 P.M. E by N through S E,	154	Nil	Morning clear, day and night partially cloudy, <i>o</i> , <i>g</i> and <i>t</i> .
												till 9 P.M. S through E and S E, till midnight N W through S W and W.			
	13th	149.3	29.758	77.7	89.0	19.5	69.5	74.5	.815	73.1	86	Till 7½ A.M. S through N and E, till 9 A.M. N E through S E and E, till 7½ P.M. S through E and S E, till 11 P.M. N W through S W and W, till midnight S W through W.	117	*0.37	Partially cloudy, <i>o</i> , <i>t</i> and <i>l</i> .
	14th	150.8	29.782	77.8	87.3	15.6	71.7	74.6	.818	73.2	86	Till 1 A.M. S, till 11 A.M. N N E through E and N E, till 4½ P.M. S through E and S E, till midnight E through S E.	111	0.07	Cloudy, <i>o</i> , <i>g</i> , <i>t</i> , <i>l</i> , <i>d</i> and <i>p</i> .
	15th	151.6	29.796	77.1	85.8	16.8	69.0	74.3	.809	72.8	86	Till 12½ P.M. W N and N W, till 4 P.M. S through N and E, till midnight S S W.	109	0.12	Morning partially cloudy, day and night chiefly clear, <i>o</i> , <i>g</i> <i>d</i> and <i>t</i> .
	16th	149.8	29.759	79.9	91.4	15.9	75.5	76.5	.867	74.9	85	Till 10 A.M. S through W N and E, till midnight S S W.	170	†0.07	Cloudy, <i>o</i> , <i>g</i> , <i>t</i> , <i>l</i> , <i>d</i> and <i>p</i> .
	17th	156.7	29.800	80.2	88.6	15.1	73.5	76.6	.870	75.0	85	Till 8½ A.M. N W by W through S W and W, till noon S W through W, till midnight N N W through W and N W.	84	†0.93	Cloudy, <i>o</i> , <i>g</i> and <i>d</i> .
	18th	149.7	29.756	81.6	90.9	15.8	75.1	77.8	.900	76.0	83	Till 2 A.M. W by S through N W, till 1 P.M. E N E through N and N E, till 5 P.M. S through E and S E, till midnight S W.	97	Nil	Partially cloudy.

\* Fell after 10 P.M. of the 12th May.

† Fell after 11-30 P.M. of the 15th.

‡ Fell after 5 P.M. of the 16th.

The mean pressure of the seven days ...

Inches.

The average pressure of the corresponding period for 25 years, S. G. Office ...

29.774

The mean temperature of the seven days ...

☉

The average temperature of the corresponding period for 25 years, S. G. Office ...

78.9

The extreme variation of temperature during the seven days ...

86.1

The maximum temperature during the seven days ...

22.4

The mean relative humidity during the seven days ...

91.4

The average relative humidity of the corresponding period for 25 years, S. G. Office ...

%

The total fall of rain from 12th to 18th May 1878 ...

85

The average fall of the corresponding period for 25 years, S. G. Office ...

73

The total fall from 1st January to 18th May 1878 ...

Inches.

The average fall of the corresponding period for 25 years, S. G. Office ...

1.56

1.05

15.41

7.58

The mean pressure, temperature, &c., are deduced from observations made at 6h, 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*o* overcast, *g* gloomy, *t* thunder, *w* dew, *l* lightning, *d* drizzling, *p* passing temporary showers,

METEOROLOGICAL OFFICE, INDIA,

ALEXANDER PEDLER,

The 20th May 1878.

For Offg. Meteorological Reporter to the Government of India.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 11th May 1878 on 1,270½ miles open.

	COACHING TRAFFIC.						MERCHANDISE AND MINERAL TRAFFIC.						TRAIN MILES RUN.		
	No. of passengers.	Coaching receipts.			Weight carried.	Receipts.			TOTAL TRAFFIC RECEIPTS.	Coach- ing.	Merchan- dise.	Total.			
		Rs.	A. P.	£ s. d.		Mds. s.	Rs.	A. P.					£ s. d.	A. P.	
Total traffic for the week	121,120½	1,69,867	13 0	15,571 4 3	13,57,066 0	5,41,296	4 0	49,670 0 0	7,11,974 1 0	47,211½	1,65,543½	152,773½			
Or per mile of railway		132 11 9		12 3 4		122 14 5		38 15 1	555 19						
For previous 18 weeks of half-year	2,524,454	37,18,966	4 1	3,40,905 4 10	2,63,44,053 10	96,64,693	3 9	8,85,930 4 5	1,33,84,659 7 10	878,952	1,359,940	2,697,992			
Total for 19 weeks	2,645,574½	38,88,824	1 1	3,56,479 9 1	2,77,01,119 10	1,02,06,839	7 9	9,35,510 15 9	1,40,94,733 8 10	885,864½	1,364,594½	2,849,867½			
COMPARISON.															
Total for corresponding week of previous year	122,414½	1,39,671	4 5	12,803 4 0	14,24,391 29	5,95,247	0	54,563 18 2	7,31,935 11 5	14,413	109,670	154,083			
Per mile of railway, corresponding week of previous year		109 2 3		10 0 1		105 2 3		42 12 9	574 4 6						
Total to corresponding date of previous year	26,69,846½	40,17,011	7 5	3,68,226 1 0	2,92,38,963 0	1,05,50,921	3 11	9,65,314 9 0	1,65,17,932 11 4	896,043	19,59,469	2,855,512			

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 11th May 1878 on 223½ miles open.

		Rs. A. P.		£ s. d.		Mds. s.		Rs. A. P.		£ s. d.		Rs. A. P.			
Total traffic for the week ..	6,369½	17,784	12 6	1,630	5 5	1,35,973	29	44,493	3 0	4,070	5 10	67,187	15 6	4,701½	12,277½
Or per mile of railway ..		79	7 9	7	5 9			198	7 2	18	3 10	277	14 11		
For previous 18 weeks of half-year	134,927½	3,59,168	3 3	36,615	3 4	29,71,641	30	8,28,384	1 0	75,965	2 4	12,27,821	4 3	89,592½	185,692½
Total for 19 weeks	141,297	4,17,222	15 9	38,215	8 9	30,96,705	19	8,75,780	4 0	80,965	8 2	12,99,099	3 9	94,294½	197,879½
COMPARISON.															
Total for corresponding week of previous year	6,195	12,647	15 0	1,170	7 11	2,24,169	50	52,845	3 0	4,844	2 10	65,494	2 0	4,443	14,001
Per mile of railway, corresponding week of previous year	.....	56	8 5	5	3 8	.....	.....	236	2 11	21	15 0	292	11 4	.....	.....
Total to corresponding date of previous year	141,308½	5,98,292	11 3	46,585	5 0	46,18,896	0	11,59,585	8 3	1,08,295	6 9	16,67,788	3 6	95,483	300,910

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 11th May 1878 on 158½ miles open.

	COACHING TRAFFIC			MERCHANDISE AND MINERAL TRAFFIC				Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts			
		Rs. A. P.	£ s. d.		Mds. s.	Rs. A. P.	£ s. d.		£ s. d.
Total traffic for the week	37,936	29,050 7 6	2,387 19 3	141,996 19	36,296 9 3	3,328 2 0	5,716 1 3	
Or per mile of railway	240	164 9 10	15 1 9	897 12	229 6 10	21 0 8	36 3 5	
For previous 18 weeks of half-year	763,113	6,02,014 6 1	55,184 13 0	35,58,190 21	8,39,281 0 3	76 9 1 10	1,31,233 14 10	
Total for 19 weeks	801,049	6,28,664 13 7	57,572 12 3	37,09,187 0	8,66,587 0 6	79,457 3 10	1,37,909 16 1	
COMPARISON.								
Total for corresponding week of previous year	34,815	21,071 0 0	1,831 10 2	2,30,316 14	50,123 2 1	4,594 12 5	6,526 2 7	
Per mile of railway, corresponding week of previous year	220	133 2 3	12 4 1	1,834 20	316 11 9	29 0 8	41 4 9	
Total to corresponding date of previous year	712,550½	4,88,537 11 0	44,782 13 4	41,74,186 7	7,65,919 10 11	70,172 12 10	1,14,955 5 2	

## BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 14.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1st JANUARY		Total increase or 1878.	Total decrease or 1878.
			7th April 1877.	6th April 1878.	To 7th April 1877.	To 6th April 1878.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
6th April	Northern Bengal	172	20,933 0 0	11,882 0 0	62,292 0 0	1,55,522 0 0	1,55,522 0 0	
20th "	Tirhoot	82	5,230 0 0	11,882 0 0	62,292 0 0	1,22,010 0 0	59,418 0 0	
20th "	Calcutta and South-Eastern	28	2,382 0 0	2,666 0 0	50,194 0 0	49,571 0 0	10,577 0 0	
13th "	Nalhati	27½	1,384 0 0	2,282 0 0	23,735 0 0	39,935 0 0	7,198 0 0	
	Total	309½	9,265 0 0	36,861 0 0	1,16,221 0 0	3,47,066 0 0	2,30,845 0 0	





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MAY 29, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## PROPOSED AMENDMENT OF THE RENT LAW.

No. 250T, dated Darjeeling, the 18th May 1878.

From—A. MACKENZIE, Esq., Secy. to the Govt. of Bengal, in charge of the Revenue and General Departments.

To—The Secretary, British Indian Association.

In your letter No. 62 of the 8th October last, objections are taken to making a ryot's occupancy tenure generally transferable, on the ground that to do so would "vest the ryot with the status of co-proprietor;" but it is proposed by the Association to legalise the sale of occupancy tenures in satisfaction of decrees for rent at the option of the zemindar; and it is suggested that where a zemindar does adopt this remedy, a tenure once so sold should be declared to have become a transferable tenure. I am to ask for a further expression of the views of the Association in connection with this question.

2. The Lieutenant-Governor will not enter into a discussion of the theory enunciated by the Association, to the effect that the creation of the occupancy tenure by Act X of 1859 was an encroachment upon the rights of the landlords under the permanent settlement, though he considers this open to question both historically and legally; but he desires me to point out that, as a matter of fact, the transferable character of these tenures has been affirmed by local custom in very many districts; nor has it ever been held or alleged that such a transfer implies the recognition in the ryot of any rights amounting, as



the Association put it, to co-proprietorship. The tenure is transferred as an occupancy tenure, and the landlord has the same remedies against the new tenant, and the same powers of enhancement that he had against the old.

3. The Lieutenant-Governor does not understand that the Association propose to interfere with local custom, where this has recognised the transferable character of occupancy tenures; but they propose to limit the recognition in other cases to tenures sold in execution at the request of the zemindars. Now, apart from the fact that the existence in many places of a local custom of wider application than the direct provisions of the law is likely to lead to conflicts of evidence in the courts, the Lieutenant-Governor thinks that the suggestions of the Association are open to question from another point of view. It is probable that in most instances occupancy tenures sold in execution of decrees will be bought in by the decreeholder, the zemindar himself. In that case the tenure would practically lose its characteristics and lapse into the residuum of the zemindar's "khamar" or "nij-jote," being broken up and relet in portions on such terms as the zemindar chose to exact. A large landlord persistently following out the policy of buying up such tenures would probably very soon change the whole face of his property, and reduce his tenantry generally to the condition of mere tenants-at-will. The Lieutenant-Governor is not satisfied that this is a policy which the Government can properly be asked to support. In many parts of the country the consequences might be serious both for Government and the zemindars.

4. On the other hand, it does not appear that the general recognition of the transferability of the occupancy tenure would have any injurious effect upon the position of the zemindars, while it would certainly tend to improve the condition of their tenantry, and to give them a greater interest in the improvement of their lands. The Lieutenant-Governor can imagine nothing so calculated to improve the system of cultivation and the value of an estate as permanency and security of the ryot's tenure. The zemindars fully appreciate the value of security of their own tenure, and justly attribute to it the most beneficial results, but appear to be unable to see the advantage of extending it to the lower grades of holding. The provision that all such transfers must be registered in the zemindar's Sherishta, and that no transfer of a fractional part of a jote need be recognised, would protect the landlord's legitimate rights—while, as before remarked, the transfer would carry with it all the liabilities and incidents of the occupancy tenure.

5. If, after securing transferability of tenure to the occupancy ryot (a right which he already possesses by custom in many parts of the country), provision were made in the law to prevent his converting himself into a mere middleman, and for strictly regulating the character of the subletting to which an occupancy ryot must limit himself, it would seem that a great improvement would be effected in the law of tenant right in Bengal, such as would tend to raise the value of property and increase the landlord's security for his rent.

6. I am to ask that the Association will reconsider the last part of their letter under notice with reference to the foregoing remarks.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 25th May 1878.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, May 25 '78	3.56	Weather—hot. The incessant rain has proved injurious to the standing crops of <i>teel</i> , cotton, and sugarcane, and has retarded the sowing of <i>aus</i> and <i>aman</i> crops. Public health is generally good.
	Culna                   ...	1.59	
	Cutwa                   ...	0.73	
	2 Bankoora,           " 25 "	0.40	Weather—warmer than last week. Cloudy and threatening sky in the evenings, but storms seemed to pass without breaking. Ploughing and sowing of the <i>aus</i> crop are progressing. Cotton has begun to be harvested. Outbreaks of cholera and small-pox continue to be reported.
	3 Heerbhoom,       " 25 "	2.37	Again two heavy storms, but the weather appears to be settling. The state and prospects of the crops are unchanged. The ground wants rest from rain.
PRESIDENT DIVN.	4 Midnapore,       " 25 "	...	Weather—generally hot. The state and prospects of the crops are fair. Ploughing and sowing are going on rapidly.
	5 Hooghly,       " 25 "	0.90	Weather—sultry. Cloudy on the afternoon of the 19th. Rain on the 20th and 24th. The prospects of the crops are very good. Cow-pox and small-pox are prevailing in certain villages of thana Pundooah.
	Howrah,       " 28 "	0.70	Weather very hot, except the one day on which rain fell. The break of fine weather has facilitated cultivation, which was being impeded. <i>Boro dhan</i> is being cut.
	<i>Central Districts</i>		
RAJSHAHYE AND COOCH BEHAN DIVN.	6 24-Pargunnahs, May 27†	0.14	Weather—warm and cloudy. Ploughing and sowing are going on everywhere. Public health is good.
	7 Nudda,       " 25 "	0.67	Weather—not hot, but close, with occasional storms. The state and prospects of the crops are unchanged, i.e., they are decidedly favorable.
	8 Jessore,       " 25 "	1.81	Weather—hot. The prospects of the crops are the same as in last week. Rain continues. A little bright weather is wanted. A few cases of small-pox have been reported.
	9 Moorshedabad,   " 25 "	1.78	Weather—showery. The state and prospects of the crops are satisfactory. The <i>boro</i> harvest is over. The <i>aus</i> is sown, and the preparation of the land for the <i>aman</i> is being pushed on. Price of rice is rather easier in some places. Cholera is abating.
	10 Dinagepore,   " 24 "	1.1	Frequent storms. A fine meteor was seen on the evening of the 20th. The prospects of the crops are favorable.
	11 Rajshahye,     " 25 "	1.13	There has been ample rain throughout the district during the week. The prospects of the <i>dhan</i> crop continue to be favorable, but sowing has been somewhat retarded in Natore by the heavy rainfall. Other crops, such as jute, <i>teel</i> and <i>kaon</i> , are thriving. <i>Boro dhan</i> is being cut, and is expected to give a good outturn. Prices still continue high. Rice is being sold at 17 kutchas seers per rupee. General health is good.
	12 Rungpore,     " 24 "	4.58	The weather has been variable with high ranges of temperature. The state and prospects of the crops continue to be favorable. Public health is good, considering the state of the weather.
	Bagdogra           ...	2.61	
	Guibanda           ...	3.99	
RAJSHAHYE AND COOCH BEHAN DIVN.	13 Bogra,       " 25 "	1.82	Weather—hot and cloudy, with almost daily rain. East wind prevailing. There was heavy rain accompanied by hailstones on the afternoon of the 21st. There were also many subsequent showers of rain during the week, which have greatly benefitted the ploughing and sowing of <i>aus</i> and other crops in general. The standing crops are getting on well, and promise a good outturn. No change in the state of health of the district since the last report.

\* Return of 28th shows rainfall during the week ending 25th.

† Report of 27th shows rainfall during the week ending 25th.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
Central Districts.—(Contd.)			
RAJSHAHYE & COOCH BEHAR DIVN.—contd.	14 Pubna, May 25 '78	2.14	Weather—sultry before the rain, but cooler after it. There were occasional falls of rain throughout the week, which have done much benefit to the standing crops. Cholera has almost abated in the mofussil.
	15 Darjeeling ... ..	.....	Return not received
	16 Julpigoree „ 25 „	1.74	Bright sun during the day, with storms of rain and thunder almost every night. The frequent rain prevents the weeding of the <i>bhadoi dhan</i> fields. In other respects all crops promise well. Cholera is reported prevalent in several villages in the Doours.
	Cooch Behar, „ 23 „	1.74	The first part of the week was cloudy and stormy; the latter days were hot and steamy. The prospects of <i>bitri dhan</i> are good. There has not been so much rain, and weeding has been feasible. More fine weather is wanted. Rice is as high as Rs 3-12 per maund in the bazar at head-quarters. A great deal of land is under <i>bitri</i> this year, and, if the weather is favorable, a bumper crop may be expected and the price of rice will fall. Public health is very good.
	Dinhatta ...	1.25	
Mathabhanga ...	0.91		
	Meckligunge ...	1.37	
Eastern Districts.			
DACCA DIVN.	17 Dacca, May 25 „	1.70	Weather—seasonable on the whole, but cool for the time of year. The state and prospects of the crops are favorable. Public health is better than usual.
	Manickgunge ...	2.60	
	18 Furreedpore, „ 27 „	5.29	Frequent storms and a large quantity of rain. The sowing of <i>aus</i> and <i>amun dhan</i> is going on. <i>Jali dhan</i> is being harvested. The prospects are reported good, except in thana Bhoosna, where the rainfall has been excessive.
	Goulundo ..	2.86	
	Madairpore ..	0.65	
19 Backergunge, „ 23 „	0.57	Weather—cloudy and fine alternately. The prospects of the crops are promising. The public health is fair, but cholera is still about.	
20 Mymensingh, „ 24 „	1.74	Weather—hot, with occasional showers. The state and prospects of the crops are satisfactory.	
21 Tipperah, „ 24 „	2.82	Fine on two or three days; during the rest of the week cloudy, with occasional heavy showers. In the sub-division weather very sultry, and more rain is wanted. The sowing of <i>amun dhan</i> is nearly completed. <i>Aus dhan</i> is coming up well. The jute plants are looking well.	
Sub-division ...	0.34		
CHITTAGONG DIVN.	22 Chittagong, „ 24 „	0.23	Weather—fine and hot. <i>Pania aus</i> is likely to be a fair crop. There have been a few cases of cholera in thana Patia.
	23 Noakholly, „ 23 „	0.4	Weather—alternately hot and cool. Occasional slight rain. The early rice crop is being reaped. Pulses, chillis, &c. are being gathered. Public health is fair.
	24 Chittagong Hill Tracts, „ 21 „	1.44	The weather was very hot up to the 20th. A shower of rain on the morning of the 21st has lowered the temperature. The fall of rain has done some good to the joom paddy crop, and more is wanted for improving its prospects. The <i>aus</i> paddy crop is ripening.
	Hill Tipperah ...	.....	Return not received.
BEHAR.			
PATNA DIVN.	25 Patna, May 25 '78	0.29	Weather—same as last week. No change to report in the state and prospects of the crops.
	26 Gya, „ 25 „	0.27	Weather—still very like that of the rainy season. Maximum thermometer in the shade 103.5°. The cultivators are very well satisfied to have the rain that has fallen. Prices are reported a little easier in consequence. Ploughing is going on for <i>murua</i> and <i>mokai</i> .
	Aurnungabad ...	0.19	
	Nowada ...	0.70	
	Jehanabad ...	0.85	
27 Shahabad „ 25 „	1.00	Weather—unsettled, with frequent storm and rain. No change has taken place in the state and prospects of the crops since last report.	
28 Darbhunga, „ 27* „	0.74	Weather—cool after a heavy shower on the 23rd. The prospects of <i>moong</i> , <i>kowni</i> , <i>cheena</i> and indigo are favorable. The late rains have helped much the preparation of lands for early sowings.	
29 Mezufferpore, „ 25 „	2.02	Weather—cool and stormy. The preparation of lands for <i>bhadoi</i> and <i>khurreef</i> sowings is going on favorably. The crops already sown are doing well.	
Hajeepore ...	0.39		
Seetamurhee ...	0.96		

\* Reports of 27th show rainfall during the week ending 25th.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Contd.)</b>			
PATNA.—(Contd.)	30 Sarun, May 25 '78	0.57	Weather—cloudy, with sunshine at intervals. East wind is prevailing. More or less rain has fallen throughout the district. There is nothing new to report about the crops, the state and prospects of which continue to be favorable. Prices have slightly risen. Public health is good.
	Sewan           ...	0.08	
	Gopalgunge   ...	1.19	
	31 Chugparan   "   "	.....	Return not received.
BHAGPUR DIVISION.	32 Monghyr,   "   25 "	0.04	Weather—stormy, with intermittent heat. Ploughing is going on. The accounts of indigo are good. Some early rice has been sown.
	33 Bhagulpore   "   25 "	0.47	Weather—cool, with one or two storms each day. The preparation of lands and the sowing of <i>bhadoi</i> are going on busily. Cholera has disappeared, except in the extreme north-east of the district.
	34 Purneah,   "   25 "	0.77	Weather—warm, damp and showery. Some cultivators complain of too much rain. The heavy rain has been detrimental to indigo. Cholera is decreasing rapidly.
	Kissengunge   ...	0.56	
	Arrareah    ...	1.12	
	35 Maldah,   "   25 "	0.31	Weather—hot and stormy. Occasional very light showers. The rice crop is getting on well, and prospects are good. Prices are stationary. Health is good.
	36 Sonthal Pergahs. " 26 "	1.00	Weather—very cool for the season. No change in the state and prospects of the crops since last report.
<b>ORISSA.</b>			
ORISSA DIV.	37 Cuttack   May 25 '78	1.53	Weather—hot and cloudy now and then with storms. Ploughing and sowing are going on and in some places the seed has germinated. Cholera is less prevalent, and the public health on the whole is good.
	38 Pooree   "   23 "	0.85	Weather—seasonable. There was rain generally throughout the district, and ploughing is in good progress. Common rice is selling at 11½ to 13½ seers for a rupee, and in the salt tracts at 10½ seers. Exportation of rice to the Madras Presidency still continues: 3,325 bags of grains were shipped to Madras last week. The labouring poor in Bampore, on the borders of the Ganjam district, are suffering from the high prices of food. Cholera is reported from many parts of the district.
	Khoorda    ...	1.05	
	39 Balasore,   "   24 "	0.73	Daily north-westers continue, but the week's rainfall has been much less. Sowing and ploughing progress vigorously. Public health is fair.
<b>CHOTA NAGPORE.</b>			
	<i>South-West Frontier Agency.</i>		
	40 Hazareebagh, May 24 '78	0.18	Weather—still unseasonably cool, though somewhat more settled. <i>Goondli, murwa</i> , and in some places <i>dhan</i> , are being sown; otherwise no change to report. Matters, if not better, are not worse. General health is fairly good.
	41 Lohardugga,   "   25 "	0.07	Weather—unsettled; warm. Agricultural operations are still proceeding. The young paddy looks well. No change in prices. Cases of small-pox are still reported from Palamow, but in other respects the general health is good. Considerable mortality amongst cattle is also reported from Palamow from disease and want of fodder.
	42 Singbhoom,   "   24 "	0.84	Weather—not so wet as last week, but still rain fell on five days out of seven. <i>Gora dhan</i> is being largely sown, and the crops on the ground are doing very well. General health is good.
	43 Manbhoom,   "   25 "	0.42	Weather—seasonable, though somewhat cooler than usual. Ploughing has been carried on. <i>Gora dhan</i> and other <i>bhadoi</i> crops have been sown, and the first-named is springing.

\* Report of 26th shows rainfall during the week ending 26th.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 28th May 1878.D. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 5th May to 11th May 1878.	Rain from 12th May to 18th May 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	2.00	0.10	3.20	18th May	
		... { Hospital	2.45	0.39	4.82	ditto	
		Jajpore	4.80	Not recd.	8.00	11th May	
		Kendraparah	3.00	1.90	6.00	18th May	
		Jagatsingapore	0.80	1.00	2.50	ditto	
		False Point	2.40	2.60	6.40	ditto	
		Pooree	0.43	1.21	1.83	ditto	
	Balasore	Khurdah	2.24	1.07	4.23	ditto	
		Balasore	1.61	1.05	12.08	ditto	
		Bhadrack	3.39	1.08	8.78	ditto	
		Jellasore	4.30	0.48	12.08	ditto	
		Sorah	3.58	1.29	10.94	ditto	
		Chandbally	4.68	0.76	9.01	ditto	
	Cuttack Tributary Mehala.	Sumbalpor	1.15	Not recd.	4.31	11th May	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh... { Jail	1.18	1.14	5.99	18th May	
		... { Dispensary	1.32	1.14	5.00	ditto	
	Lohardngga	Pachamba	0.15	2.13	4.50	ditto	
		Ranchee	1.80	1.91	10.71	ditto	
	Singbhoom	Palanow	0.14	1.29	4.25	ditto	
		Chyebassa	1.08	1.21	10.15	ditto	
	Manbhoom	Purulia	1.82	4.08	14.98	ditto	
		Govindpor	0.75	3.42	7.59	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	8.98	1.60	35.95	ditto	
	Sibsagar	Sibsagar	3.61	Not recd.	17.52	11th May	
		Golaghat	3.03	ditto	20.35	ditto	
		Jorhat	3.44	ditto	16.15	ditto	
	Rajpootana	Akyab	0.80	3.10	4.70	18th May	
		Alwar	0.40	0.30	1.90	ditto	
		Jaipur	0.62	0.06	1.71	ditto	
		Saunbhar	Nil	0.5	0.90	ditto	

CALCUTTA,  
The 25th May 1878.

ALEXANDER FIEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 19th to 25th May 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	May 19th	10	29.719	29.740	86.0	79.4	74	N by W	4.5	...	C, CS	c
	16	16	29.688	29.690	92.0	80.0	67	W S W	3.0	...	C	c
	20th	10	29.680	29.707	89.1	79.0	63	W by S	2.3	...	...	b
	16	16	29.695	29.716	91.9	78.5	47	W by S	7.0	...	K	c
	21st	10	29.725	29.746	90.0	81.0	66	W by N	3.0	...	...	b
	16	16	29.695	29.616	95.7	79.8	47	S W by S	5.7	...	C, CS	c
	22nd	10	29.721	29.742	89.7	80.0	65	W S W	6.5	...	...	b
	16	16	29.660	29.621	95.2	79.8	49	N by E	4.5	...	K, C	c
	23rd	10	29.769	29.790	87.2	78.6	67	S	3.0	...	...	b
	16	16	29.614	29.635	86.3	78.0	67	N E by N	7.2	...	P, FK	c, g, t
	24th	10	29.758	29.780	86.1	79.3	73	S W by W	4.0	0.10	C, CS	c
	16	16	29.646	29.667	92.1	79.2	54	N W	3.5	...	C, CS, K	c
	25th	10	29.727	29.748	90.0	81.0	66	S W by W	7.3	...	...	b
	16	16	29.614	29.635	94.7	82.7	58	S S W	11.5	...	K	c
	May 19th	10	29.720	29.726	88	81	73	W S W	7.6	...	K	c
SAUGOR ISLAND.	16	16	29.658	29.614	89	81	69	S S W	9.2	...	K	b
	20th	10	29.704	29.710	90	83	73	W S W	3.1	...	K	b
	16	16	29.618	29.621	90	83	73	S	10.6	...	K	b, m
	21st	10	29.740	29.716	91	83	70	S S W	8.1	...	K	b, v
	16	16	29.618	29.624	91	82	67	S	16.8	...	C	b, o
	22nd	10	29.740	29.746	90	81	77	S W	11.0	...	K, FK	b
	16	16	29.673	29.679	89	84	80	S S W	11.6	...	K	b, u
	23rd	10	29.761	29.772	89	84	80	S	7.3	0.20	FK	b
	16	16	29.631	29.637	91	84	71	S S W	11.8	...	PK, FK	b, u
	24th	10	29.703	29.709	89	82	73	S W	11.5	0.80	PC	c, m
	16	16	29.760	29.766	90	81	66	S	9.6	...	K	b, m
	25th	10	29.752	29.758	90	84	77	S W	15.7	...	FK	b, m
	16	16	29.646	29.652	91	85	77	S	15.4	...	FK, K	b, m
	May 19th	10	29.626	29.716	88	80	60	N	2.9	...	K, PK	m
	20th	10	29.594	29.684	89	81	69	W	3.0	...	...	m
CHITTAGONG.	21st	10	29.716	29.836	90	81	66	S	5.6	...	K, PK	m
	22nd	10	29.717	29.800	81	77	83	Cal	4.8	0.10	PK, C	c, m
	23rd	10	29.731	29.824	90	82	70	S S W	6.2	...	K, FK	m
	24th	10	29.742	29.833	85	80	79	S	7.6	0.10	K, PK	c
	25th	10	Not received.									
	May 19th	10	29.742	29.733	85	78	72	N	3.6	...	P	d
	20th	10	29.671	29.692	90	82	70	N W	3.5	...	CK, P	
	21st	10	29.786	29.807	89	81	69	S S W	5.5	0.10	C, KP	
	22nd	10	29.794	29.819	86	79	72	S	2.8	0.20	CK	
	23rd	10	29.820	29.841	92	83	67	E S E	1.9	...	CK	
	24th	10	29.838	29.859	88	80	69	S E	3.3	0.10	CK	
	25th	10	29.803	29.824	90	77	53	E	2.2	0.60	CK	
	May 19th	10	29.833	29.875	84	80	83	S	21.7	1.90	...	a
	20th	10	29.741	29.785	86	81	80	W	2.0	4.20	...	c
	21st	10	29.810	29.851	87	82	89	W N W	6.8	4.20	...	b
DIAMOND ISLAND.	22nd	10	29.816	29.857	78	83	80	W	5.9	...	...	c
	23rd	10	29.856	29.897	78	84	84	W S W	6.5	...	...	c
	24th	10	29.816	29.887	87	81	76	W N W	7.7	...	...	b
	25th	10	29.832	29.873	88	82	76	W S W	6.9	...	...	b
	May 19th	10	29.618	29.728	92	71	49	W	2.8	...	C	c
	20th	10	29.630	29.709	96	74	42	N W	1.3	...	...	c
	21st	10	29.680	29.760	88	75	52	W	5.7	0.10	C, PK	c
	22nd	10	29.673	29.742	84	82	58	S S W	2.6	...	CK, C	b
	23rd	10	29.673	29.752	93	79	53	S S W	2.0	0.70	...	b
	24th	10	29.701	29.757	87	77	62	W S W	1.2	1.30	C	c
	25th	10	29.673	29.752	94	81	51	S W	3.6	...	C	c
	May 19th	10	29.722	29.747	89	79	63	W N W	3.5	...	C	c
	20th	10	29.702	29.747	93	81	64	W	6.0	...	CK	b
	21st	10	29.758	29.771	90	79	60	W S W	9.1	...	CS	b
	22nd	10	29.727	29.742	95	86	68	S	7.7	...	CK	b
VIZAGAPATAH FALSE POINT CUTTACK.	23rd	10	29.761	29.779	91	82	67	W S W	5.0	0.10	C, CK	c
	24th	10	29.769	29.781	88	86	69	W S W	7.0	0.20	C	b
	25th	10	29.742	29.757	91	83	67	W S W	8.8	...	C	b
	May 19th	10	29.745	29.766	89	78	59	S E by W	1.5	...	...	b
	20th	10	29.729	29.766	92	81	61	W by S	1.8	...	...	b
	21st	10	29.681	29.795	90	82	70	S E	1.6	...	C	
	22nd	10	29.753	29.784	93	82	61	S S W	1.5	...	...	a
	23rd	10	29.770	29.807	93	83	61	S	3.1	...	...	b
	24th	10	29.784	29.815	89	78	59	S W	3.8	0.10	...	b
	25th	10	29.781	29.812	90	80	63	S E	2.1	...	...	b
	May 18th	10	29.594	29.874	92	81	61	S E by S	5	...	...	c
	16	16	29.717	29.739	91	81	63	S E by E	11	...	...	b, c
	19th	10	29.800	29.822	94	78	47	S W	9	...	...	c
	16	16	29.792	29.725	82	73	64	S S W	7	0.07	...	cloudy
	20th	10	29.836	29.848	95	76	39	W by S	10	...	...	c
MADRAS.	16	16	29.698	29.720	99	76	31	N E by E	11	...	...	b
	21st	10	29.827	29.849	98	76	33	W by N	10	...	...	b, c
	16	16	29.717	29.739	94	81	55	E S E	13	...	...	b, c
	22nd	10	29.813	29.835	93	78	36	W	7	...	...	b, c
	16	16	29.708	29.730	90	81	66	E S E	9	...	...	c
	23rd	10	29.829	29.851	97	79	43	S W	9	...	...	b
	16	16	29.772	29.774	90	81	66	S E by S	10	...	...	b, c
	24th	10	29.824	29.851	74	72	90	E by S	21	0.98	...	cloudy
	16	16	29.719	29.741	85	76	64	S E by S	6	0.14	...	
	May 19th	10	29.892	29.932	84	82	76	W	7.2	0.90	C	c
	21st	10	29.892	29.932	84	81	73	S W	10.8	...	C	
	22nd	10	29.882	29.923	90	81	66	W by S	8.6	...	C	
	23rd	10	29.830	29.900	88	82	78	W by S	6.1	0.70	C	
	24th	10	29.838	29.878	89	83	77	S W	4.0	...	C	
	25th	10	29.872	29.913	83	78	79	S W	11.4	...	...	q

Velocity of wind in miles per hour.

CALCUTTA,  
The 25th May 1878.ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Government of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 19th to 25th May 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		°)	Inches.	°	°	°	°	°	Inches	°	%			Inches	
May	19th	152.0	29.675	82.0	91.9	13.9	78.0	77.8	0.900	76.0	83	Till 1 p.m. E N E through W and N, till 2½ p.m. S through E and S E, till 7 p.m. W S W through S W, till midnight S through W, N and E.	81	Nil	Partially cloudy, <i>w</i> <i>o</i> and <i>g</i> .
"	20th	150.8	29.659	81.6	94.9	17.9	77.0	79.1	0.921	76.7	77	Till 7½ a.m. S, till midnight W through S W.	103	"	Chiefly clear.
"	21st	155.9	29.679	86.2	96.0	11.6	81.1	80.1	0.958	77.9	76	Till 8½ a.m. S W by S through S W, till 1 p.m. W through S W, till midnight S by W through S W.	103	"	Chiefly clear, and <i>w</i>
"	22nd	153.1	29.698	85.1	95.8	15.8	80.0	78.1	0.869	75.0	72	Till noon W through S W, till 6 p.m. S through N and E, till 6½ p.m. S W by W through S W, till midnight N W by N through W.	133	"	Partially cloudy, <i>o</i> , <i>g</i> , <i>t</i> , <i>l</i> and <i>d</i> .
"	23rd	151.5	29.712	79.7	93.8	17.8	76.0	76.6	0.877	75.3	87	Till 4 p.m. S through N and E, till 6 p.m. N W through S W and W, till midnight E S E through N and E.	128	0.16	Partially cloudy, <i>o</i> , <i>g</i> , <i>t</i> , <i>l</i> , <i>p</i> and <i>d</i> .
"	24th	149.5	29.713	82.4	93.6	19.1	71.5	78.4	0.919	76.7	83	Till 2½ a.m. S through S E, till 4 p.m. N N W through W and N W, till midnight S through W and S W.	82	Nil	Day partially cloudy, night clear, and <i>w</i> .
"	25th	151.5	29.690	85.5	96.6	17.3	79.3	80.1	0.954	77.8	78	Till 4 a.m. S, till 8 p.m. S S W, till midnight S back again round W, N and E.	192	"	Day clear, night partially cloudy, and <i>l</i> .

The mean pressure of the seven days ...

The average pressure of the corresponding period for 25 years, S. G. Office ...

Inches.  
29.689  
29.638

The mean temperature of the seven days ...

The average temperature of the corresponding period for 25 years, S. G. Office ...

The extreme variation of temperature during the seven days ...

The maximum temperature during the seven days ...

°  
83.6  
86.8  
22.1  
96.6

The mean relative humidity during the seven days ...

The average relative humidity of the corresponding period for 25 years, S. G. Office ...

°  
79  
74

The total fall of rain from 19th to 25th May 1878 ...

The average fall of the corresponding period for 25 years, S. G. Office ...

The total fall from 1st January to 25th May 1878 ...

The average fall of the corresponding period for 25 years, S. G. Office ...

Inches.  
0.16  
1.03  
15.57  
8.61

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*w* dew, *o* overcast, *g* gloomy, *t* thunder, *l* lightning, *d* drizzling, *p* passing temporary showers, *strong* wind, *lr* lightning reflection.

METEOROLOGICAL OFFICE, INDIA,

ALEXANDER PEDLER,

# Reports of Fluctuation of Traffic on the East Indian Railway for four weeks ending 27th April 1878.

EAST INDIAN RAILWAY, TRAFFIC MANAGER'S OFFICE, JAMSHEDPUR, THE 18TH MAY 1878.

Remarks on Traffic of East Indian Railway for four weeks ending 27th April 1878.

THE approximate figures are—

		Coaching.		Goods.		Total
		Nos.	Rs.	Mds.	Rs.	Rs.
1878	...	555,876	8,81,034	51,39,558	19,85,716	28,66,750
1877	...	526,691	7,13,300	51,61,753	23,56,740	30,70,040
Increase	...	39,185	1,67,734	...	...	...
Decrease	...	...	...	2,63,195	3,71,024	2,03,290

The regular passenger traffic has been very heavy, and there were in addition large receipts for extra troop trains, owing to a portion of the Malta expeditionary force being conveyed during the month.

In merchandise traffic there is a considerable falling off, but a comparison with 1876 moreover shows that the period of four weeks under review saw a goods traffic only about two per cent. below that of five weeks in 1876.

The most noticeable changes are—

		Increases.		Decreases.	
Coal.		Piece-goods and Twist.		Saltpetre.	
Grain.		Iron.		Opium.	
Gunny.		Jaggree.		Salt.	
		Increases.			
Coal—Upward	...	...	...	Mds.	—21,027
Downward	...	...	...	Rs.	+56,366
				Rs.	+1,033
				Rs.	+9,462
				Rs.	10,495

This increase is not a very large one, but it follows on the very large one of Mds. 4,11,000, Rs. 61,500, which was the increase in 1877 over 1876.

Piece-goods and Twist ... Mds. 47,137 Rs. 54,306

The trade continues brisk, and the falling off in the early part of the year has now been adjusted.

Saltpetre ... Mds. 31,659 Rs. 11,528

The clearances from the port in April were only 1,435 tons, whereas we carried, as will be seen, 2,700 tons.

Seeds ... Mds. 4,35,577 Rs. 90,271

This is an increase of over 50 per cent. in weight, the greater part of it from Cawnpore and Patna, with a considerable increase on the loop line export to Howrah.

## Decreases

Grain ... Mds. 5,95,288 Rs. 3,83,951

It will be seen from the table that there is a large falling off in the weight of rice with an increase in earnings.

That barley and "pulses" show an increase nearly balancing the decrease in "other grains," and

That the decreased earning on wheat, Rs. 3,80,218, is almost exactly the net decrease on the whole grain traffic.

The falling off in the weight of rice is easily accounted for when the abnormal demand for rice for Madras at this time last year is considered.

Large quantities of this were drawn from the Metropolitan districts and with a very short lead to the port.

Two such small stations as Kanoo Junction and Mymaree, for instance, show a decrease under this head of Mds. 64,000, or about half of the whole decrease on the month; whereas the amount earned by that large weight in April 1877 reached something under Rs. 7,000.

I may remark that the export of rice from Calcutta in April 1878 was only 22,600 tons against 36,400 in 1877.

The salient feature then in the state of the grain traffic is wheat, of which only 700 tons left Calcutta during April with freights at 17s 6d. to 25s. a ton, as compared with 15,500 tons last year when freights were £3-10.

The total shipments from 1st January to 24th April have been—

1878	...	Tons	6,929
1877	...	"	46,215

The state of things in the North-Western Provinces is still such as to cause considerable anxiety; prices are very high still, and the outturn of the latest crop unsatisfactory.

Much depends on the rain setting in at the expected time, and meanwhile we can expect to draw but very little produce from the districts which have hitherto furnished the great bulk of the wheat traffic.

Gunny ... Mds. 25,086 Rs. 42,134

This was exceptionally heavy last year.

Comparing 1878 with 1876 we have—

1878	...	Mds.	63,819	Rs.	10,770
1876	...	"	40,886	"	33,287
Iron	...	Mds.	10,590	Rs.	28,188

This decrease is almost entirely due to the despatch of a very large quantity of cast iron pipes from Howrah to Moradabad last year for special works.

The ordinary trade in iron for native manufacturers has been good.

Jaggree ... Mds. 50,916 Rs. 23,034

Sugar ... Mds. 95,637 Rs. 5,188

Large as the decrease is in jaggree, the earning from this source is 33 per cent. higher than in April 1876.

As compared with last year, the decrease is due in part to scantier crops, but very largely to the altered state of things in the North-Western Provinces, where the high prices of food-grain have left but little room for the import of jaggree from Behar as usual.

As to sugar traffic, it is only necessary to point to the Calcutta exports—

April 1878	...	Tons	900
" 1877	...	"	9,500

to fully account for the falling off.

Opium ... Mds. 25,807 Rs. 85,790

The provision opium despatches were completed earlier this year than in 1877, having been more continuously carried on.

Salt ... Mds. 40,303 Rs. 11,718

There has been a considerable slackness in the Calcutta Salt Market; large shipments are said to be on their way out, and rates for "to arrive" salt being low, buyers are holding back.

The train mileage has been—

	Coaching.	Goods	Total.
1878	187,079	376,776	563,855
1877	178,907	432,334	611,241
Increase	8,172	...	...
Decrease	...	55,558	47,386



Earnings per train mile—

		Coaching.	Goods.	Total.
		Rs. A. P.	Rs. A. P.	Rs. A. P.
1878	...	4 11 4	5 4 4	5 1 4
1877	...	3 15 10	5 7 3	5 0 4
Increase	...	0 11 6	.....	0 1 0
Decrease	...	.....	0 2 11	.....

The increase in coaching mileage has been partly due to the extra troop trains before referred to, and partly to the experimental local train between Allahabad and Cawnpore.

JUBBULPORE LINE TRAFFIC.

	Coaching.	Goods.	Total.
	No.s. Rs.	Mds. Rs.	Rs.
1878	20,853 96,368	8,61,562 2,56,261	3,10,629
1877	21,616 79,262	10,26,252 2,53,111	3,32,373
Increase	6,207 17,106	1,64,750 2,850	1,6256
Decrease	.....	.....	.....

The increase in coaching traffic is in great part due to the passage of the expeditionary force towards Bombay. The merchandise traffic it will be seen, though in weight a good deal below 1877, is almost identical in amount.

The extra weight carried in 1877 was in traffic from the stations close to the "famine" districts, with a lead of from 10 to 50 miles only on the Jubbulpore line; whereas nearly the whole traffic is now *through* from our main line to Bombay.

The train mileage has been—

	Coaching.	Goods.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.
1878	20,328	56,239	76,568
1877	18,026	67,239	85,265
Increase	2,302	.....	.....
Decrease	.....	11,009	8,707

and the earnings per train mile on all traffic—

	Rs. A. P.
1878	4 8 5
1877	3 11 4

GENERAL REMARKS.

It will have been seen above that, while the net decrease in the earnings for the four weeks, as compared with last year, is Rs. 2,03,000, the decrease in the one staple of wheat is Rs. 3,80,000, or nearly twice as much; and further, that this decrease in wheat traffic arises from causes which no management can control, and no alteration of rates modify in the smallest degree.

When wheat can be sent *via* Suez Canal from Calcutta to Liverpool at 17s. 6d. per ton, and yet is not forthcoming at the rate of more than 20 tons a day, it must be clear that nothing that a Railway Company could do would have any effect.

J. C. BATCHELOR, Traffic Manager.

MAIN LINE.

Statement showing the Totals and Increases and Decreases of Staples during four weeks ending 27th April 1878.

STAPLES.	WEIGHT.		AMOUNT.		INCREASES AND DECREASES.			
	1877.	1878.	1877.	1878.	Increase.		Decrease.	
	Mds.	Mds.	Rs.	Rs.	Mds.	Rs.	Mds.	Rs.
Beer, Commissariat	9,710	11,757	3,927	20,066	2,047	16,169	.....	.....
" not Commissariat	5,704	5,572	7,851	6,634	.....	.....	132	1,217
Betel-nuts and leaves	9,210	8,918	10,896	8,562	.....	.....	322	2,324
Boots and shoes	1,679	1,564	2,523	2,187	.....	.....	15	36
Brass and brass-ware	8,047	8,820	5,433	6,537	779	1,074	.....	.....
Bricks and drainage pipes	8,002	4,764	2,436	1,739	.....	.....	3,238	377
Coal, up	3,56,681	3,01,654	1,27,608	1,28,641	.....	1,033	21,927	.....
" down	10,11,057	10,95,323	1,41,202	1,55,664	66,366	9,162	.....	.....
Copper	7,172	6,555	11,545	10,981	.....	.....	617	1,465
Cotton	51,515	45,104	41,107	27,118	11,580	.....	.....	13,989
" twist	7,312	11,782	9,500	15,196	7,170	5,960	.....	.....
Dye-wood	3,850	2,621	3,965	2,379	.....	.....	1,226	1,586
Empty coops and cages	3,129	1,832	3,689	3,559	1,193	470	.....	.....
Fine-wood	18,087	16,578	419	360	.....	.....	2,109	89
Fruits	7,127	7,458	4,451	5,127	11	686	.....	.....
Glass and glass-ware	4,029	5,119	5,691	1,936	.....	.....	650	858
Ghee and oil	23,345	31,271	31,932	36,263	7,928	4,331	.....	.....
G. B. T. packages	4,775	6,243	13,525	14,018	1,478	623	.....	.....
Government Commissariat stores	11,439	15,165	10,642	15,675	4,035	5,033	.....	.....
" Ordnance stores	17,000	11,178	39,414	26,619	.....	.....	2,891	12,705
" Barley	346	25,302	49	2,944	21,956	2,895	.....	.....
" Oats	11,150	10,084	1,585	1,255	.....	.....	1,046	360
GRAIN, LIME, AND PULSES.	4,19,221	3,69,297	70,677	74,122	.....	3,745	1,31,014	.....
" Wheat	7,33,024	2,78,563	1,86,316	1,06,093	.....	.....	1,91,661	3,80,248
" Other grains	2,86,515	2,28,105	67,708	37,751	.....	.....	58,410	20,957
" Pulses of all kinds	1,61,093	1,67,610	21,516	41,490	64,917	19,974	.....	.....
Gunny	88,905	63,919	84,904	40,770	.....	.....	25,086	42,131
Hides and horns	40,091	40,602	25,492	31,201	8,811	5,709	.....	.....
Indigo	441	868	214	525	227	311	.....	.....
Iron	72,281	61,691	84,113	56,225	.....	.....	10,590	28,184
Jute-roes	1,26,228	75,282	43,215	20,181	.....	.....	60,946	24,034
Lac	22,778	14,889	14,195	8,608	.....	.....	7,869	6,627
Minerals	25,716	41,864	4,751	7,153	16,117	2,702	.....	.....
Mown flower	6,015	3,794	824	.....	.....	.....	1,751	824
Oil-cake	9,484	9,125	3,679	2,833	41	.....	.....	746
Opium	35,982	10,175	40,823	3,253	.....	.....	25,807	37,590
Paper	4,781	5,935	5,818	9,963	1,144	4,120	.....	.....
Piece-goods	87,290	1,26,946	1,03,875	1,62,221	30,060	45,546	.....	.....
Railway materials, construction account	3,378	10,976	831	569	7,598	.....	.....	202
" foreign	46,188	36,118	49,200	41,041	.....	.....	10,010	8,169
Roots	10,219	9,766	2,372	2,151	.....	.....	453	221
Salt	3,20,557	2,86,254	82,849	68,132	.....	.....	40,303	14,716
Salt-petre	11,019	78,278	18,557	30,085	31,050	11,529	.....	.....
Seeds	8,61,966	12,47,513	3,91,273	4,74,411	4,35,577	90,271	.....	.....
Silk	1,513	1,505	2,525	2,029	.....	104	.....	8
Spelter	4,447	4,892	6,446	6,868	445	422	.....	.....
Spices	7,794	11,441	8,170	10,000	3,617	1,836	.....	.....
Stones	54,958	58,541	9,931	7,469	3,683	.....	.....	1,662
Sugar	2,35,820	1,40,183	70,000	65,502	.....	.....	95,637	5,498
Ten	8,640	8,991	3,665	4,275	251	710	.....	.....
Timber	50,101	48,750	12,045	19,706	.....	7,751	1,361	.....
Tobacco	54,061	51,749	31,277	33,079	.....	1,802	2,915	.....
Turneric	9,005	7,439	5,077	5,092	.....	.....	2,408	17
Wines	6,485	5,577	15,250	12,355	.....	.....	908	2,901
Miscellaneous	1,13,627	1,12,871	1,15,787	1,14,625	.....	.....	1,160	1,218
Total	51,01,763	51,99,554	23,56,740	10,45,716	7,31,430	2,46,967	9,94,634	6,17,991

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 18th May 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN		
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.					Coaching.	Merchandise.	1
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.		Rs. A. P.				
Total traffic for the week ...	110,632½	1,44,125 12 6	13,211 10 7	15,01,092 20	5,95,743 8 9	54,610 2 0		7,39,872 5 3	47,034½	100,500½		1
Or per mile of railway ...	112 9 11	112 9 11	10 6 6	.....	465 8 4	42 13 5		578 2 3	.....	.....		
For previous 19 weeks of half-year	2,645,678½	38,58,834 1 1	350,470 9 1	2,77,01,119 10	1,02,03,899 7 9	935,540 15 9		1,40,91,733 8 10	885,284½	1,964,563½		2,8
Total for 20 weeks	2,765,211	40,32,959 13 7	369,087 19 8	2,92,05,211 30	1,08,01,648 0 6	990,150 17 9		1,48,34,605 14 1	932,318	2,074,143½		3,0
COMPARISON.												
Total for corresponding week of previous year ...	120,670½	1,39,320 3 3	12,771 0 5	14,51,168 0	6,45,612 7 0	59,181 2 9		7,84,932 10 3	43,957	120,871		1
Per mile of railway, corresponding week of previous year ...	.....	108 13 10	9 13 7	.....	504 7 0	46 4 11		613 5 7	.....	.....		
Total to corresponding date of previous year ...	2,790,517	41,56,331 10 8	380,997 1 5	2,66,90,131 0	1,11,76,533 10 11	1,024,515 11 9		1,53,32,865 5 7	940,000	2,080,840		3,0

EAST INDIAN RAILWAY--JUBBULPORE LINE.

Approximate Return of Traffic for week ended 18th May 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	6,907½	18,235 10 9	1,077 2 1	1,43,801 10	43,701 3 0	4,005 18 10	61,996 13 9	4,775½	11,307½		1
Or per mile of railway ...	.....	81 12 4	7 9 11	.....	195 5 0	17 18 1	277 1 4	.....	.....		
For previous 19 weeks of half-year	141,207	4,17,222 15 9	39,245 4 9	30,06,705 10	8,72,780 4 0	80,005 8 2	12,90,009 3 9	94,294½	197,879½		2½
Total for 20 weeks	148,204½	4,35,518 10 6	39,922 10 10	31,50,506 20	9,16,487 7 0	84,011 7 0	13,52,006 1 6	99,070	209,187		3½
COMPARISON.											
Total for corresponding week of previous year ...	6,074	15,643 8 0	1,433 19 10	2,32,149 30	57,847 0 0	5,302 5 6	73,496 8 6	4,457	11,498		1
Per mile of railway, corresponding week of previous year ...	.....	69 14 8	6 8 2	.....	258 8 3	23 13 11	328 6 11	.....	.....		
Total to corresponding date of previous year ...	147,382½	5,23,846 3 9	49,019 4 10	48,81,045 30	12,17,428 8 3	111,597 12 3	17,41,274 12 0	99,910	311,508		4½

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 18th May 1878 on 158½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£
Total traffic for the week ... ..	42,469	25,021 0 3	2,376 2 7	1,66,983 34	41,603 13 4	3,913 13 8	6,180 1
Or per mile of railway ... ..	269	163 12 10	15 0 4	1,055 8	262 14 4	24 1 11	39
For previous 19 weeks of half-year ... ..	807,049	6,24,064 13 7	57,572 12 3	37,00,187 0	8,66,587 9 6	79,437 3 10	137,009 1
Total for 20 weeks ... ..	849,518	6,53,986 3 10	59,948 14 10	38,76,170 34	9,08,191 6 10	83,250 17 6	148,199 1
COMPARISON.							
Total for corresponding week of previous year ... ..	34,381½	23,438 15 1	2,148 11 5	2,75,962 30	44,510 1 3	4,080 1 9	6,228 1
Per mile of railway, corresponding week of previous year ... ..	217	148 1 10	13 11 6	1,744 33	281 4 3	25 15 8	39
Total to corresponding date of previous year ... ..	746,912	5,11,976 10 1	46,931 3 9	44,50,148 37	8,10,020 12 2	74,252 14 7	121,188 1

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 15.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	To doer in 1
			14th April 1877.	13th April 1878.	To 14th April 1877.	To 13th April 1878.		
		Miles.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
13th April	Northern Bengal	172	.....	17,827 0 0	.....	1,71,349 0 0	1,71,349 0 0	.....
27th "	Tirhoot	82	5,086 0 0	7,548 0 0	67,377 0 0	1,29,558 0 0	62,181 0 0	.....
27th "	Calcutta and South-Eastern	28	1,919 0 0	2,581 0 0	32,113 0 0	48,162 0 0	11,049 0 0	.....
13th "	Nalhati	27½	1,226 0 0	1,703 0 0	24,961 0 0	32,637 0 0	7,676 0 0	.....
	Total	309½	8,231 0 0	29,659 0 0	1,24,451 0 0	3,76,696 0 0	2,52,245 0 0	.....





# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 5, 1878.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARTS.	STOCKS IN HAND AS COMPILED ON:-							
	30th October 1877.	1st week of December 1877.	1st week of January 1878.	1st week of February 1878.	1st week of March 1878.	1st week of April 1878.	1st week of May 1878.	1st week of June 1878.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta .....	5,44,000	3,63,400	6,22,000	5,41,700	4,90,500	7,31,700	5,90,200	4,03,200
Ooltadanga .....	60,300	45,400	39,000	46,400	48,600	72,600	17,700	42,000
Chitpore, Golabaren, Coomertooly, Hathkhol, and Culpy Ghat .....	8,03,900	4,32,900	3,65,900	3,37,900	4,00,700	4,47,200	4,25,400	4,48,100
Bathuringhatta, Posta, and Jorabagan .....	27,000	16,000	25,400	34,500	11,100	15,500	16,400	11,500
Tollygunge, Chitlah, Kidderpore, and Moonshukunce .....	2,16,200	1,16,100	1,49,300	1,85,600	1,61,900	1,00,000	1,79,200	1,62,100
21 Minor Havars (estimated) .....	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated) .....	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, N. wabgunce, Bhudressur, and Chaudernagore .....	1,00,000	75,000	37,162	48,957	61,904	29,204	46,403	66,329
<b>Total</b> .....	<b>22,46,500</b>	<b>14,78,800</b>	<b>17,27,652</b>	<b>16,79,867</b>	<b>16,67,704</b>	<b>19,25,200</b>	<b>17,56,500</b>	<b>16,89,320</b>
On Railway premises both sides the river .....	18,528 (on 29th Oct.)	12,186 (on 3rd Dec.)	8,732 (on 4th January 1878)	17,628 (on 3rd Feb.)	11,298 (on 3rd March)	26,206 (on 1st April)	9,000 (on 2nd May)	6,553 (on 3rd June)
On boats unloaded as by Port Commissioners' returns .....	1,03,886 (24th to 27th Oct.)	50,834 (1st to 3rd December)	70,102 (2nd to 4th January)	87,835 (1st to 3rd February)	61,228 (1st to 3rd March)	6,419 (30th March to 1st April)	22,324 (1st to 3rd May)	26,067 (1st to 3rd May)
Canal returns .....	43,265 (24th to 27th Oct.)	16,812 (1st to 3rd December)	1,21,549 (2nd to 4th January)	1,10,042 (1st to 3rd Feb.)	81,675 (1st to 3rd Mar.)	19,778 (30th March to 1st April)	18,249 (1st to 3rd May)	23,608 (1st to 3rd May)
<b>Grand Total of Stocks</b> .....	<b>24,11,679</b>	<b>15,34,632</b>	<b>19,28,045</b>	<b>18,25,345</b>	<b>18,31,915</b>	<b>20,37,697</b>	<b>18,16,489</b>	<b>17,55,463</b>
Probable stocks available for exportation by sea .....	12½ lakhs.	5 lakhs.	8½ lakhs.	8½ lakhs.	7½ lakhs.	9½ lakhs.	8 lakhs.	7 lakhs.

D. BARBOUR,

Offg. Secy. to the Govt. of Bengal.

The 4th June 1878.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 1st June 1878.

No	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date
BENGAL.			
Western Districts.			
BURDWAN DIVN.	1 Burdwan, June 1 '78	1.72	Weather—hot. Sowing of the <i>aus</i> and <i>amun</i> is progressing. Cotton and <i>til</i> are being harvested. Sugarcane is doing well. Public health is good.
	Culna ..	0.65	
	Cutwa ..	0.25	
	Raneegunge ..	1.4	
	Bond-Bond ..	3.2	
	Jehanabad ..	1.55	Weather—very hot and sultry. Ploughing and sowing of <i>haimanta</i> rice are going on. The heavy rain on the 27th damaged the cotton and <i>til</i> crops in the north-east.
	2 Bankoora, .. 1 ..	1.13	
	3 Beerbhoom, .. 1 ..	0.02	
	4 Midnapore, .. 1 ..	0.47	
	5 Hooghly, .. 1 ..	2.60	
Howrah .. 3 ..	1.85	Weather—very sultry and oppressive since the rain which fell early in the week. The recent dry weather has facilitated weeding and preparation of lands. Public health is good.	
Moherakha ..	1.40		
Central Districts			
PRESIDENCY DIVN.	6 24-Pergunnas, June 1 '78	2.1	Hot weather and high winds with rain. Ploughing is going on. Public health is good. Cattle disease is reported from Satkhira.
	7 Nuddea, .. 1 ..	1.62	Weather—hot, with occasional rain. The crops are in much the same state as before. The <i>jali dhan</i> is being harvested. The price of coarse rice still remains high.
	8 Jessore, .. 1 ..	2.74	Weather—hot. Heavy showers at the beginning of the week; the last few days were bright. Since the break in the rains the prospects of the crops are generally fair.
	Jhenida ..	0.55	
	Magoora ..	1.32	
	Khoolna ..	1.80	
	Bagirhat ..	1.05	
	Narail ..	1.53	Weather—seasonable. The state and prospects of the crops are satisfactory. Public health is generally good.
	9 Moorshedabad, .. 1 ..	0.21	
	10 Dinagepore, May 31 ..	2.98	Weather—clear and hot. The prospects of the crops are good.
11 Rajshahye, June 1 ..	Nil	Very slight rain fell throughout the district during the week. Days are very hot. The prospects of the <i>dhan</i> and jute crops continue to be favorable, but rain is still needed. <i>Boro dhan</i> is still being cut. It is said to be an average crop in Nattore. Cholera has disappeared. General health is good.	
RAJSHAHYE AND COCH BHAM DIVN.	12 Rungpore, May 31 ..	1.50	The weather has been very variable. Sometimes very warm and then again cool. The state and prospects of the crops continue to be favorable. The public health on the whole has been good, though there have been some cases of cholera.
	Gaibandha ..	5.57	
	Bagdogra ..	3.1	
13 Bogra, June 1 ..	1.38	Weather—warm, with occasional rain. The standing <i>aus</i> crop, jute, <i>til</i> , sugarcane, linseed, and <i>kaon</i> are looking healthy, and are expected to turn out well. <i>Kaon</i> is being harvested in some places. The rain that has fallen during the week has been of great service both for ploughing and sowing. The preparation of land for <i>amun</i> is being pushed on. Public health is good. There are a very few cases of cholera here and there in the district.	
14 Purna, .. 1 ..	1.28	Weather—hot and cool, and cloudy and sunny at intervals. <i>Jali dhan</i> is being harvested; the outturn appears to be a fair one. Sowings of <i>amun</i> and <i>aus</i> are going on. These plants are doing well. Cholera has nearly disappeared.	

\* Report of 3rd shows rainfall during the week ending 1st.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Central Districts—(Contd.)</i>			
RAJSHAHY & COOCH BEHAR DIVN.—contd.	15 Darjeeling May 31 '78	2.62	The rains seem to have fairly set in. The weather has been rather chilly and colder than usual for this time of the year. The young crop of <i>bhadai</i> rice is doing well. The <i>haimanta</i> crop is being sown in some places. In the Hills the young crops of Indian-corn and potato, also the millets, <i>murua</i> and <i>kagonee</i> , are promising. Buckwheat has just been reaped and has given a fair yield.
	16 Jalpigooree June 1 "	1.09	Rather less rain this week, and the days are hotter in consequence. There was a heavy storm on the 25th May, with a very strong wind which lasted for about five minutes, doing considerable amount of damage to trees and dwelling-houses, unroofing a corrugated iron building in cantonments, and carrying large pieces of the roof to a considerable distance. The state and prospects of the crops are satisfactory.
	Cooch Behar, May 30 "	5.06	Some heavy rain, but intervals of sun have been very hot. Thunderstorms prevalent. <i>Bitri dhan</i> will in all probability be a very good crop this year.
	Dinbatta " "	2.36	<i>Haimanta dhan</i> is being sown. <i>Kaon</i> is being cut. Price is still very dear, varying from Rs 3 to Rs 3-12 a maund, and no fall is expected until the <i>bitri dhan</i> comes into the market. A few cases of cholera have been reported; otherwise the public health is good.
	Mathabhanga " "	4.25	
	Meekligunge " "	1.67	
<i>Eastern Districts.</i>			
DACCA DIVN.	17 Dacca, June 1 "	1.00	The last four days of the week were intensely hot. Weather seasonable. The state and prospects of the crops are favorable. Up to date the weather has been all that could be wished for. Prices are high. Health on the whole is good.
	Manickgunge " "	4.6	
	Moonsheegunge (for week ending 29th May) " "	3.12	
	18 Furreedpore, " 1 "	1.22	Weather—stormy at the beginning of the week, but latterly fine and hot. The crops are doing well. <i>Juti dhan</i> is being reaped.
	Goslundo " "	1.71	
	Madaripore " "	1.09	
CHITTAGONG DIVN.	19 Backergunge, May 30 "	1.8	Weather—unusually hot, with occasional rain. The prospects of the crops are promising throughout the district. Cholera is still about here and there.
	20 Mymensingh, " 31 "	3.41	Weather—very hot and seasonable. The state and prospects of the crops are satisfactory.
	21 Tipperah, " 31 "	1.19	Weather—very close and sultry. More rain is said to be wanted in the sub-division. Sowings of <i>aman dhan</i> are nearly completed. <i>Aus dhan</i> and the jute plants are looking well.
	22 Chittagong, " 30 "	0.29	Weather—very hot and sultry. Some rain is wanted, otherwise there is no change to report from last week.
	23 Nonakholly, " 30 "	0.52	Weather—very hot and oppressive. A thunderstorm passed over the station on the 26th. The sowing of the early rice crop is nearly completed, and the fields for the <i>aman</i> crop are being prepared. Public health is fair.
	24 Chittagong Hill Tracts, " 28 "	1.43	Some rain has fallen during the first part of the week, but the weather has been excessively hot during the latter part. The <i>aus</i> paddy crop, which represents a very small proportion of the food-grain of the people, is now being gathered in small quantities. This crop is not grown on the hill jooms, but on flat lands. The hillmen are very busily engaged in sowing seed-grain in their jooms. Scarcity of food is prevailing in parts of the district, and steps are being taken for relieving the people in distress.
	Hill Tipperah " 29 "	2.80	The latter part of the week was very warm and generally cloudy. Preparations for the late rice crop are going on. Joom crops are doing well. A good deal of sickness is prevalent owing to the heat.
<b>BEHAR</b>			
PATNA DIVN.	25 Patna, June 1 '78	Nil	Weather—extremely hot. Westerly winds prevail. No change in the state and prospects of the crops since last report.
	26 Gaya, " 1 "	0.02	Hot west winds have recommenced. Maximum thermometer in the shade 108° 6'. No change to report in general prospects.
	27 Shahabad " 1 "	Nil	Weather—slightly cool towards the morning. Westerly wind has prevailed generally during the week. No change in the state and prospects of the crops since last report. <i>Cheena</i> is being harvested. Sugarcane is flourishing. Land is being prepared for <i>bhadai</i> sowings. Public health is good.
	28 Darbhanga, " 1 "	0.05	Weather—hot and dry. The prospects of the crops are so far good. <i>Murua</i> and <i>kodo</i> are being sown in the Mudhoobunnee sub-division, and the ground is being elsewhere prepared for <i>bhadai</i> sowings. Prices are still very high. Cholera is reported to be on the decrease.

No.	District, and date of return	Rainfall at Sudder Station in inches	Character of the weather, state and prospects of the crops, and state of health at date
BEHAR.—(Contd.)			
PATNA.—(Contd.)	29 Mezuferpore, June 1 '78	0.35	Weather—hot and clear with west wind. The preparation of land and sowings of <i>dhadoi</i> crops continue to progress very favorably. In the low lands the rice crop is forward, and in many places rice-seedings for transplantation are coming on well. <i>Moong</i> , <i>kownee</i> and <i>cheena</i> are being reaped, with fair outturns. Prices have slightly fallen. On the whole, prospects are very promising.
	Seetamurhee ..	1.07	
	Hajeepore ..	0.83	
	30 Sarun, .. 1 ..	Nil	
BHAGULPORE DIVISION.	Gopalgunge ..	0.63	Weather—hot, with dry west wind. The prospects of the crops continue favorable. Only <i>cheena</i> , <i>murwa</i> , <i>kodo</i> , and sugarcane are on the ground. In some places <i>cheena</i> is being cut. Prices are stationary. Public health is good.
	31 Champaran .. 1 ..	0.10	Easterly winds. Weather cool for the time of year. The prospects of the crops continue good. Prices are still high.
	32 Monghyr, .. 1 ..	0.17	Westerly winds have come in with great heat. The prospects of the crops seem so far good.
	Begusarai ..	0.51	
	Jamui ..	0.2	
	33 Bhagulpore .. 1 ..	0.62	Weather—very hot. The late unseasonable rain has put forward the preparation of the land for, and the sowing of, the next crop. In fact, considerable hopes are entertained of any intermediate and unexpected crop.
	34 Purnean, .. 1 ..	Nil	Weather—fair. Winds easterly. Heavy rain in the interior. The state and prospects of the crops are favorable.
	Khasengunge ..	1.10	
	Arrareah ..	0.73	
	35 Muldah, .. 1 ..	0.50	Intense heat. Thermometer ranging from 95° to 102° throughout the week. The rice crop is doing well. There is a tendency to a fall in prices. Health is good.
	36 Sonthal Pergha, .. *2 ..	0.05	Weather—very hot indeed. The sowing of <i>janera</i> has commenced. The excessive heat has not improved the prospects of the Indian-corn.
ORISSA.			
ONISSA DIVN.	37 Cuttack June 1 '78	1.35	Weather—very hot. Frequent thunderstorms. Sowing of rice crop is going on; in some places plants are coming up well. There was, however, more rain in the last week than was required, and the progress of sowing in low lands in some parts of the district was consequently retarded. Prices are still high.
	38 Pooree May 30 ..	0.35	
	Khoorda ..	0.47	
	39 Balasore, .. 31 ..	1.05	There has been rain during the week, but the weather at present is rather too hot. The sowing of the crops has commenced. There was abundance of rain in the interior, which prevented the sowing for some days. The general health of the public is reported to be good.
CHOTA NAGPORE.			
	South-West Frontier Agency.		
	40 Hazareebagh, May 31 '78	0.03	Weather—warm and seasonable. No change to report. No crops on the ground. General health is good.
	41 Lohardugga, June 1 ..	0.31	Weather—seasonable and very warm. Ploughing and broadcast sowings are in progress all over the district. The young rice crops so far look well. Prices as before. Small-pox is still prevalent in Palamow. General health is good.
	42 Singbhoom, May 31 ..	0.18	Weather—very hot indeed; the thermometer registering 140° in the sun and about 96° in-doors. There was only one north-wester during the week. The prospects of the crops are excellent. General health is very good.
	43 Manbhoom, June 1 ..	Nil	Weather—hot and seasonable. The reports are generally more favorable. The break in the weather has proved beneficial. The one complaint is high price of food. Those who live ordinarily on charity are badly off. Cholera and small-pox have been heard of pretty frequently during the last month. In Jhalda an epidemic lately occurred, and a native doctor was deputed to the village.

\* Report of 2nd shows rainfall during the week ending 1st.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 4th June 1878,D. BARBOUR,  
Offg. Secy. to the Govt. of Bengal.

**RETAIL PRICES-CURRENT OF FOOD-GRAINS, FIREWOOD, AND SALT IN  
THE UNDERMENTIONED DISTRICTS OF BENGAL FOR  
• THE FORTNIGHT ENDING 31<sup>st</sup> MAY 1878.**



## RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the

DISTRICTS.				QUANTITIES PER RUPEE BY																	
				WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, BASRA.					
				Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																					
Western Districts.																					
1	Burdwan	...	...	...	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
		A			10 8	10 8	17 8	17 0	17 0	38 8	12 4	12 4	23 8	12 8	12 8	25 0	...	...	...	...	...
2	Bankoora	...	...	...	B												...	...	...	...	...
		C			11 8	12 0	16 4	16 0	16 0	32 0	11 8	11 4	20 0	15 0	14 0	25 0	...	...	...	...	...
3	Bearbhoom	...	...	...	11 0	11 0	20 0	12 0	12 0	...	10 0	10 0	18 0	12 0	12 0	22 0	...	...	...	...	...
4	Midnapore	...	...	...	11 0	11 0	16 0	...	...	...	11 0	11 0	17 0	13 0	13 0	21 0	...	...	...	...	...
5	Hooghly	...	...	...	D												...	...	...	...	...
					10 0	10 0	13 0	...	...	...	7 8	7 8	10 0	{ 9 8 to 10 0 }	{ 9 8 to 10 0 }	14 0	...	...	...	...	...
	Howrah	...	...	...	10 12	10 4	14 8	...	...	...	9 0	8 12	11 0	13 0	12 8	15 0	...	...	...	...	...
Central Districts.																					
	Calcutta	...	...	...	11 2	10 0	13 0	16 0	16 0	25 0	5 11	5 11	9 0	10 0	10 0	11 0	...	...	...	...	...
6	24-Pergunnahs*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Nuddea	...	...	...	11 7	10 10	14 1	17 4	18 5	40 0	10 0	10 0	14 8	10 10	10 8	15 4	...	...	...	...	...
8	Jessore	...	...	...	E												...	...	...	...	...
					9 0	10 0	13 6	...	...	...	10 0	10 0	13 0	13 7	12 0	18 0	...	...	...	...	...
9	Moorshedabad	...	...	...	F												...	...	...	...	...
					12 8	12 0	17 8	20 0	20 0	35 0	11 0	10 8	10 0	12 8	12 0	18 0	...	...	...	...	...
10	Dinapore	...	...	...	G												...	...	...	...	...
					9 8	10 8	17 0	20 0	12 8	18 12	13 3	12 0	21 8	15 12	16 13	28 0	...	...	...	...	...
11	Rajshahye	...	...	...	H												...	...	...	...	...
					12 0	15 0	{ 15 0 to 16 0 }	{ 22 8 to 24 6 }	14 0	...	{ 9 0 to 10 8 }	{ 9 0 to 10 0 }	16 8	12 12	{ 12 8 to 13 0 }	18 1	...	...	...	...	...
12	Rungpore	...	...	...	I												...	...	...	...	...
					14 10	10 2	19 0	...	...	...	12 6	10 2	13 0	14 10	14 6	18 0	...	...	...	...	...
13	Bogra	...	...	...	10 2	10 14	15 0	...	...	...	10 1	12 0	16 8	13 8	15 0	24 12	...	...	...	...	...
14	Pubna	...	...	...	J												...	...	...	...	...
					12 0	12 0	17 0	...	...	...	8 0	8 0	12 0	11 8	11 8	20 8	...	...	...	...	...
15	Darjeeling*	...	...	...	K												...	...	...	...	...
					8 0	7 3	13 0	...	...	...	8 6	10 0	13 0	12 7	13 3	18 0	...	...	...	...	...
16	Julpigoree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Districts.																					
17	Dacca	...	...	...	L												...	...	...	...	...
					9 6	9 6	12 4	16 0	20 0	40 0	10 0	10 0	16 0	12 0	12 4	20 8	...	...	...	...	...
18	Furzedpore	...	...	...	M												...	...	...	...	...
					13 0	13 0	21 0	25 0	25 0	35 0	7 0	7 0	7 0	12 0	12 0	19 0	...	...	...	...	...
19	Backergunge	...	...	...	N												...	...	...	...	...
					...	...	...	...	...	...	11 0	10 0	14 0	13 8	12 0	17 0	...	...	...	...	...
20	Mymensingh	...	...	...	O												...	...	...	...	...
					9 8	10 0	13 0	...	...	...	11 8	12 0	21 0	13 4	13 8	25 0	...	...	...	...	...

\* Returns not received.

A In the interior the prices range as follow :—Wheat 8 to 12½ seers, barley 20 to 23 seers, best rice 11 to 13½ seers, common rice 12 to 13½ seers, and gram 10 to 13½ seers.

B In the interior the prices range as follow :—Wheat 11 to 13 seers, barley 18 to 36 seers, best rice 11 to 15 seers, common rice 13 to 16 seers, maize or Indian-corn 18 to 38 seers, and gram 12 to 13 seers.

C In the interior the prices range as follow :—Wheat 9 to 14½ seers, best rice 11 to 14½ seers, common rice 13 to 16 seers, and gram 11 to 17 seers.

D In the interior the prices range as follow :—Wheat 10 to 11 seers, barley 18 to 20 seers, best rice 7 to 9 seers, common rice 9½ to 11½ seers, and gram 11 to 12½ seers.

E In the interior the prices range as follow :—Wheat 7 to 10 seers, best rice 9 to 11 seers, common rice 10 to 12½ seers, and gram 8 to 11½ seers.

F In the interior the prices range as follow :—Wheat 12 to 16½ seers, barley 19 to 35 seers, best rice 10 to 12 seers, common rice 12 to 14 seers, and gram 13½ to 19 seers.

G In Roygaunge the prices are—Wheat 10 seers, best rice 12 seers, common rice 14 seers, and gram 12½ seers.



RETAIL PRICES-CURRENT of Food-grains, Firewood, and Salt in the under-

Number.	DISTRICTS.	QUANTITIES PER RUPEE BY																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMBOO, BAJRA.											
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts—(Contd.)																									
21	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Noakholly*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Tipperah	...	...	9 0	9 0	12 0	...	...	...	11 0	11 0	12 0	12 8	12 8	17 0	...	...	...	...	...	...	...	...	...	...
24	Chittagong Hill Tracts*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR.																									
25	Patna	...	...	13 0	14 2	20 0	18 4	18 8	32 0	8 4	8 8	13 8	12 4	13 0	18 8	...	...	...	...	...	...	...	...	...	...
26	Gya	...	...	13 0	12 8	24 8	17 8	17 0	36 4	8 0	7 8	13 0	10 8	9 8	20 8	...	...	...	...	...	...	...	...	...	...
27	Shahabad	...	...	Q 12 0 to 13 8	12 0	23 0	18 8 to 17 0	17 0	33 0	11 4 to 11 8	10 0	18 0 to 18 0	...	...	...	...	...	...	...	...	...	...	...	...	...
28	Durbhunga	...	...	13 0	13 0	19 8	19 8	19 8	30 12	9 12	9 4	13 8	11 0	11 8	15 12	...	...	...	...	...	...	...	...	...	...
29	Muzafferpore	...	...	13 0	13 0	20 0	17 0	17 0	30 0	7 0	7 0	11 0	10 0	11 0	15 0	...	...	...	...	...	...	...	...	...	...
30	Saran	...	...	12 8	13 0	16 8	18 8	18 0	31 0	6 4	6 8	10 8	11 8	11 0	18 12	...	...	...	...	...	...	...	...	...	...
31	Chumparan*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Monghyr	...	...	13 0	11 5	18 9	21 0	16 8	31 5	9 4	7 3	13 6	11 5	10 5	18 9	...	...	...	...	...	...	...	...	...	...
33	Bhagulpore	...	...	U 11 5	11 5	17 8	17 11	18 15	37 8	8 13	8 13	18 15	11 5	10 1	20 3	...	...	...	...	...	...	...	...	...	...
34	Purneah	...	...	V 12 0 to 14 0	12 0	25 0	...	...	...	12 0	12 0	23 0	13 0 to 14 0	13 0 to 13 8	26 0	...	...	...	...	...	...	...	...	...	...
35	Maldah	...	...	12 8	13 8	19 0	...	...	45 0	10 0	10 0	21 0	12 0	12 0	22 8	...	...	...	...	...	...	...	...	...	...
36	Sonthal Pergunnahs	...	...	W 8 8	9 8	16 0	...	...	...	9 0	9 0	17 0	11 0	11 0	24 0	...	...	...	...	...	...	...	...	...	...
ORISSA.																									
37	Cuttack	...	...	9 3	9 3	15 12	...	...	...	7 14	7 14	15 12	11 13†	11 13	18 6	...	...	...	...	...	...	...	...	...	...
38	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Balasore	...	...	8 8	7 0	16 0	...	...	...	10 0	13 0	21 0	16 0	16 0	28 0	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																									
South-Western Frontier Agency.																									
40	Hazareebagh	...	...	X 12 0	10 8	19 0	...	...	...	8 8	8 0	12 0	12 8	13 0	22 0	...	...	...	...	...	...	...	...	...	...
41	Lohardugga	...	...	Y 9 0	8 0	24 0	16 0	16 0	40 0	12 0	13 0	24 0	14 0	14 0	28 0	...	...	...	...	...	...	...	...	...	...
42	Singbhoom	...	...	12 0	14 0	26 0	36 0	36 0	10 0	14 0	14 0	20 0	22 0	22 0	40 0	...	...	...	...	...	...	...	...	...	...
43	Maubhoom	...	...	Z 9 0	9 0	18 0	20 0	22 0	28 0	11 0	12 0	20 0	15 0	15 0	30 0	...	...	...	...	...	...	...	...	...	...

\* Returns not received.  
† In the interior the price of common rice ranges from 15½ to 18½ seers.  
‡ In the interior the prices range as follow:—Wheat 12 to 14 seers, barley 16½ to 18 seers, best rice (at Jehanabad) 8 seers, common rice 10 to 11½ seers, and gram 13 to 14½ seers.  
Q In the interior the prices range as follow:—Wheat 12 to 13½ seers, barley 16 to 18 seers, best rice 7 to 9 seers, common rice 8 to 12 seers, and gram 12 to 13½ seers.  
R In Madhubani the prices are—Wheat 15 seers, barley 22 seers, best rice 11 seers, common rice 12½ seers, murwa 20 seers, maize or Indian-corn 20 seers, and gram 13 seers.  
S In the interior the prices range as follow:—Wheat 12 to 18 seers, barley 12 to 25 seers, best rice 8 to 14½ seers, common rice 10½ to 18 seers, lesser millets 17½ to 22 seers, maize or Indian-corn 12½ to 22 seers, and gram 12 to 18 seers.  
T In the interior the prices range as follow:—Wheat 13½ to 15½ seers, barley 18½ to 21 seers, best rice 8½ to 10½ seers, common rice 11½ to 11½ seers, great millet 13½ to 14½ seers, lesser millets, 18½ to 21 seers, maize or Indian-corn 13½ to 14½ seers, and gram 15½ to 16½ seers.



WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt.

PRICES PER MAUND

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BURRUSH MILLET— CUMBOO BAJEA.		
		Present return.			Present return.			Present return.			Present return.			Present return.		
		Next preceding return.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 10 6	3 12 6	...	2 8 0	2 8 0	...	7 0 0	7 0 0	...	3 15 6	3 14 6	...	...	...	...
2	Serajgunge*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Dacca ...	4 3 0	4 0 0	...	2 6 0	1 14 0	...	3 15 0	3 14 0	...	3 1 0	3 2 0	...	...	...	...
4	Naraingunge	...	...	...	...	...	...	3 5 6	3 5 0	...	3 4 0	3 3 0	...	...	...	...
5	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	3 1 3	2 13 0	...	2 3 3	2 2 6	...	4 14 0	4 11 6	...	3 4 3	3 1 3	...	...	...	...
7	Balasore ...	4 8 0	4 2 0	...	...	...	...	3 8 0	2 12 0	...	2 4 0	2 4 0	...	...	...	...
8	Pooree*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	4 2 0	4 2 0	...	...	...	...	6 6 0	6 6 0	...	3 4 0	3 4 0	...	...	...	...

\* Returns not received.

CALCUTTA,  
The 4th June 1878.

SUPPLEMENT TO THE CALCUTTA GAZETTE, JUNE 5, 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 31st May 1878.

OF 40 SEERS.

GREAT MILLETS— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHEENA.			MAIZE OR INDIAN CORN.			GRAM.			PIKEWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
...	...	...	...	...	...	...	...	...	3 1 6	3 3 6	...	0 9 0	0 9 0	...	1 8 0	1 8 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Serajgunge.*
...	...	...	...	...	...	...	...	...	3 7 0	3 6 0	...	0 5 0	0 5 0	...	4 6 0	4 6 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 15 0	3 10 0	...	0 11 0	0 11 0	...	4 6 0	4 5 0	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.*
...	...	...	...	...	...	2 10 9	2 8 6	...	2 10 9	2 10 9	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 8 0	4 1 0	...	0 5 10	0 5 10	...	5 0 0	5 2 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.*
...	...	...	3 8 0	1 12 0	...	...	...	...	2 6 0	2 6 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

D. BARBOUR,  
Offy. Secy. to the Govt. of Bengal.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 12th May to 15th May 1878.	Rain from 16th May to 25th May 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.
			Inches.	Inches.	Inches.	Up to date.	
BENGAL.							
BARDWAN.	WESTERN DISTRICTS.	Burdwan	2.16	2.09	16.46	25th May	
		Cutwa	1.16	0.58	12.13	ditto	
		Culna	1.33	2.12	18.76	ditto	
		Boal-Hood	1.31	0.77	9.87	ditto	
		Rancegunge	2.03	0.68	9.67	ditto	
		Jehanabad	2.64	0.26	13.88	ditto	
		Bankoora	1.19	0.49	11.91	ditto	
		Beerbhoom	3.79	2.37	12.44	ditto	
		Hetampore	1.69	2.79	10.21	ditto	
		Roy pore	2.77	1.65	10.84	ditto	
	CENTRAL DISTRICTS.	Midnapore	0.70	Nil	6.06	ditto	
		Tumlook	2.02	0.50	11.10	ditto	
		Gluttal	Not recd.	Nil	7.52	ditto	Not received 12th to 18th May.
		Dy. Collr.'s Office	0.73	Nil	4.13	ditto	Ditto 5th to 11th
		Contai...	0.47	Nil	7.31	ditto	
		Exe. Engr.'s Office	2.84	1.00	17.99	ditto	
		Hooghly	1.43	1.57	14.21	ditto	
		Serampore	1.93	0.70	16.59	ditto	
		Howrah	4.13	0.30	16.93	ditto	
		PRESIDENCY.	24-Pargannahs.	Saugor Island	0.40	1.00	6.20	ditto
Alipore	1.56			0.16	14.62	ditto	
Observatory	2.00			0.14	19.69	ditto	
Dispensary	1.81			0.14	19.11	ditto	
Jail	2.24			1.50	15.27	ditto	
Bussorhat	4.63			0.50	16.87	ditto	
Batact	3.69			0.25	16.90	ditto	
Diamond Harbour	3.97			0.70	15.70	ditto	
Burampore	1.33			0.90	16.21	ditto	
Satkhwa	1.65			1.70	14.30	ditto	
Nudda.	Barrackpore		1.16	0.74	15.84	ditto	
	Dum-Dum		0.79	0.67	11.16	ditto	
	Krishnachur		0.72	1.21	17.80	ditto	
	Pongong		0.61	0.94	8.13	ditto	
	Meherpore		2.51	3.89	18.80	ditto	
	Chooa langa		1.19	2.31	12.61	ditto	
	Kooshtea		2.92	0.34	23.66	ditto	
	Ramaghat		1.92	1.84	20.65	ditto	
	Jessore		0.78	3.01	15.47	ditto	
	Narail		0.40	0.40	16.18	ditto	
Jessore.	Khoolna	1.77	1.10	15.73	ditto		
	Jhondah	0.90	1.73	15.24	ditto		
	Baghat	3.63	1.33	19.31	ditto		
	Magoorah	0.77	1.74	7.45	ditto		
	Berhanpore	1.25	1.95	11.89	ditto		
	Rampore Hant	1.07	2.65	7.96	ditto		
	Lalibazh	2.59	0.37	8.56	ditto		
	Moorshedabad	2.85	2.74	10.83	ditto		
	Jungy pore	1.31	1.03	7.93	ditto		
	Aznagunge	1.65	2.76	11.77	ditto		
RAJSHAHYE.	Dinagapote.	Dinagapote	2.13	1.98	10.17	ditto	
		Roungunge	2.10	1.33	10.03	ditto	
	Maldah.	Maldah	0.69	0.31	8.03	ditto	
		Chanchal	1.34	0.56	7.31	ditto	
	Rajshahye.	Bauleah	2.29	2.15	10.24	ditto	
		Nattore	1.27	1.38	11.02	ditto	
	Rungpote.	Rungpore	1.20	4.06	13.88	ditto	
		Bhabangunge	3.49	4.11	19.19	ditto	
		Kupigram	4.26	Not recd.	15.37	18th May	
		Bagdogra	2.64	0.61	18.28	25th May	
Bogra.	Bogra	2.48	1.82	11.20	ditto		
	Sheepore	1.98	4.25	14.38	ditto		
	Nowkhilla	2.64	1.38	12.18	ditto		
	Panchbibi	Not recd.	1.14	12.28	ditto	Not received 12th to 18th May.	
COOCH BEHAR.	Pubna.	Pubna	1.90	3.02	11.70	ditto	
		Seragunge	1.93	3.20	14.91	ditto	
	Dayceeling.	Dayceeling	1.62	Not recd.	14.54	18th May	
		Hospital	1.62	2.48	15.23	25th May	
	Julpigoree.	Julpigoree	3.13	1.74	17.49	ditto	
		Boda	2.48	0.24	9.14	ditto	
		Bava—Civil Surgeon's Office	2.20	1.40	20.14	ditto	
		Titalya	1.16	0.96	9.15	ditto	
	Cooch Behar Tributary States.	Cooch Behar	2.12	2.28	17.22	ditto	

DIVISION.	DISTRICTS.	STATIONS.	Rain from 12th to 18th May 1878.	Rain from 19th to 25th May 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.		
					Inches.	Up to date.			
BENGAL—continued.									
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1878.				
		Dacca ... {	Telegraph Office ...	1.54	Not recd.	12.21	18th May		
			Hospital ...	2.43	2.03	15.92	25th May		
		Moonasheegunge ...		3.10	2.70	15.06	ditto		
			Manickgunge ...		2.00	1.51	11.27	ditto	
		Furzedpore ...	Furzedpore ...	2.57	2.73	18.94	ditto		
			Goalundo ...	1.12	2.06	12.30	ditto		
			Madaripore ...	3.48	0.65	24.53	ditto		
		Backergunge ... {	Burrial ...	1.10	0.77	9.80	ditto		
			Perozepore ...	1.86	1.31	14.23	ditto		
			Patoakhally ...	1.16	1.73	10.24	ditto		
			Bhola ...	1.70	1.26	8.03	ditto		
		Mymensingh ... {	Mymensingh ...	1.54	2.05	20.44	ditto		
			Jamalpore ...	4.30	4.27	21.24	ditto		
			Atia ...	0.40	2.87	11.30	ditto		
			Kishorigunge ...	0.09	1.23	14.34	ditto		
		Chittagong ... {	Chittagong {	Telegraph Office	0.50	0.20	8.40	ditto	
			Jail ...	0.30	0.47	10.37	ditto		
Cox's Bazar ...	0.85		1.97	11.52	ditto				
Noakholly ... {	Noakholly ...		0.00	0.47	10.30	ditto			
	Fenny ...	2.97	3.23	12.75	ditto				
Tipperah ... {	Comillah ...	3.18	3.84	20.25	ditto				
	Brahmunbariah ...	1.34	0.70	14.42	ditto				
Chittagong Hill Tracts ... {	Rungamatee Hill ...	Nil	2.87	15.07	ditto				
	Ruana ...	0.10	2.08	15.05	ditto	From 17th February.			
Hill Tipperah ...	Hill Tipperah ...	0.43	2.08	18.28	ditto				
BEHAR.									
Patna.		Patna ... {	Patna ...	2.26	0.29	4.73	ditto		
			Behar ...	1.39	0.80	4.13	ditto		
			Barh ...	1.73	0.28	4.73	ditto		
			Dinapore ...	1.27	Nil	4.23	ditto		
		Gya ... {	Gya ...	1.64	0.23	4.53	ditto		
			Nowadah ...	1.05	0.70	7.02	ditto		
			Aurungabad ...	1.49	Nil	3.64	ditto		
		Jehanabad ... {	Jehanabad ...	1.08	0.85	9.00	ditto		
			Arrah ...	0.82	1.06	5.28	ditto		
			Sasaram ...	1.57	0.0	3.14	ditto		
		Shahabad ... {	Buxar ...	0.03	Nil	5.40	ditto		
			Bhuboah ...	0.75	ditto	4.96	ditto		
		Mozufferpore ... {	Mozufferpore ...	2.29	2.02	7.53	ditto		
			Hajepore ...	0.64	0.89	3.27	ditto		
			Seetamurhee ...	2.82	0.28	8.73	ditto		
		Durbhunga ... {	Durbhunga ...	2.50	0.74	5.68	ditto		
			Mudhoobunnee ...	1.11	1.53	4.00	ditto		
			Tappore ...	2.54	0.11	4.90	ditto		
		Saran ... {	Chupra ...	1.07	0.57	4.14	ditto		
			Sewan ...	1.08	Nil	4.26	ditto		
		Chumpanu ... {	Motiharee ...	1.51	0.35	5.79	ditto		
			Bettiah ...	0.29	0.05	2.05	ditto	Not received 5th to 11th May.	
			Segowlee ...	1.25	0.03	6.20	ditto		
		Monghyr ... {	Monghyr ...	2.08	0.21	5.30	ditto		
			Begoozerai ...	2.14	0.51	6.32	ditto		
			Jamooee ...	3.12			ditto		
		Bhagulpore ... {	Bhagulpore ...	2.53	0.53	7.30	ditto		
			Soopool ...	1.57	2.88	7.95	ditto		
Muddehpoura ...	1.20		3.20	9.69	ditto				
Banka ...	3.28		0.15	7.23	ditto				
Souburaa ...	2.95		0.95	6.85	ditto				
Purneah ... {	Purneah ...	1.71	0.77	7.73	ditto				
	Kissengunge ...	0.51	0.55	6.51	ditto				
	Arrareah ...	1.03	1.12	11.75	ditto				
Southal Pergunnah ... {	Nya Doonka ...	0.88	1.00	5.62	ditto				
	Rajmehal ...	3.60	3.20	18.85	ditto				
	Deoghur ...	3.10	0.30	9.97	ditto				
	Godda ...	2.35	0.47	11.25	ditto				



DIVISION.	DISTRICTS.	STATIONS.	Rain from 1st to 8th May 1878.	Rain from 9th to 25th May 1878.	RAIN FROM 1st JANUARY 1878.		REMARKS.
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	0.10	1.50	4.70	25th May	
		... { Hospital	0.39	1.53	6.35	ditto	
		Jajpore	0.40	1.00	7.40	ditto	
		Kendraparah	1.90	1.50	6.60	ditto	
		Jagatsingapore	1.00	0.90	2.50	ditto	
		False Point	2.60	0.30	6.70	ditto	
		Pooree	1.21	0.35	2.17	ditto	
		Khurdah	1.07	0.54	4.76	ditto	
		Balasore	1.95	0.59	13.57	ditto	
		Bhadrack	1.06	0.62	9.40	ditto	
	Balasore	Jellasore	0.48	1.31	13.39	ditto	
		Sorah	1.20	2.05	13.89	ditto	
		Chandbally	0.76	1.58	10.59	ditto	
		Sumbalpor	1.11	Not recd.	5.42	18th May	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh... { Jail	1.14	Nil	5.99	25th May	
		... { Dispensary	1.14	0.08	5.68	ditto	
	Lohardugga	Pachamba	2.13	0.18	4.68	ditto	
		Rancher	1.91	0.17	10.88	ditto	
	Singbhoom	Palamow	1.29	0.25	4.50	ditto	
		Chyebassa	1.21	0.81	10.96	ditto	
	Manbhoom	Purulia	4.98	0.08	15.06	ditto	
		Goviudpor	3.42	1.88	9.47	ditto	
	ASSAM & ADJACENT HILLS.						
	Sylhet	Sylhet	1.60	6.00	42.95	ditto	
	Sibsagar	Sibsagar	4.37	Not recd.	21.89	18th May	
		Golaghat	1.04	ditto	28.29	ditto	
		Jorhat	2.43	ditto	18.58	ditto	
	Rajpootana	Akyab	3.10	1.00	5.70	25th May	
		Alwar	0.30	1.75	3.65	ditto	
		Jaipur	0.06	0.88	2.50	ditto	
		Sambhar	0.50	1.83	2.73	ditto	

CALCUTTA,  
The 1st June 1878.

ALEXANDER PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 26th May to 1st June 1878.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
ALIPORE.	May 26th	10	29.780	29.801	90.0	83.0	73	S by W	7.8	.....	CS, FK	a
	27th	10	29.666	29.688	81.9	74.0	68	S W by S	9.8	.....	P, FK	a, g, t, l, p
	28th	10	29.791	29.812	87.3	82.4	80	S	4.3	1.72	K	c
	29th	10	29.627	29.648	93.5	84.6	68	S by W	7.7	.....	K	c
	30th	10	29.751	29.773	88.4	83.2	79	S	7.0	0.27	C, CK	c
	31st	10	29.838	29.857	92.0	83.0	67	S W by S	8.5	.....	K, FK	c
	June 1st	10	29.731	29.752	89.3	79.0	62	N W	5.8	0.04	CS	c
	2nd	10	29.596	29.617	94.9	83.1	59	S W by W	4.8	.....	K	a
	3rd	10	29.722	29.743	90.5	81.8	67	S W	6.3	.....	.....	b
	4th	10	29.590	29.611	97.8	77.8	38	N W by W	6.3	.....	.....	b
SAGOR ISLAND.	May 26th	10	29.684	29.705	91.0	83.0	70	S W	5.5	.....	.....	b
	27th	10	29.578	29.597	98.9	79.2	40	N N W	5.7	.....	.....	b
	28th	10	29.698	29.717	94.6	82.7	59	S	1.0	.....	C	c
	29th	10	29.584	29.605	98.0	80.5	43	N W by W	3.7	.....	C	a
	30th	10	29.791	29.797	91	84	74	S S W	1.2	.....	FK	b, m
	31st	10	29.677	29.683	80	76	78	S	16.8	.....	PK, FK	b, m, u
	June 1st	10	29.793	29.799	90	84	77	S W	13.0	.....	FK	b, m
	2nd	10	29.883	29.889	91	83	70	S	13.2	.....	FK	b, m
	3rd	10	29.754	29.760	90	84	77	S	11.2	.....	FK	b, m
	4th	10	29.661	29.67	91	84	74	S	14.7	.....	C, FK	b, m
CHITTAGONG.	May 26th	10	29.735	29.741	91	80	60	N N W	9.8	.....	K	b
	27th	10	29.615	29.631	91	83	70	S	8.1	.....	P	b, m, y, f
	28th	10	29.725	29.731	92	85	74	S W	11.3	0.40	.....	b, m
	29th	10	29.592	29.598	93	86	71	S S W	12.2	.....	PC	b, m
	30th	10	29.695	29.701	91	86	77	S W	11.7	.....	C	b, m
	31st	10	29.584	29.590	93	88	74	S S W	10.6	.....	PC	b, m
	June 1st	10	29.698	29.704	93	88	81	W S W	6.2	.....	C	b, m
	2nd	10	29.583	29.589	95	84	82	S S W	6.3	.....	PK	b, m
	3rd	10	29.773	29.783	90	82	70	S	2.4	.....	.....	b, m
	4th	10	29.780	29.780	93	81	68	Calm	4.8	.....	K	m
AKYAB.	May 26th	10	29.718	29.808	92	82	84	Calm	5.1	.....	K	m
	27th	10	29.708	29.791	93	84	67	W	5.1	.....	K, PK	a, t
	28th	10	29.888	29.756	91	81	63	Calm	4.0	.....	K	a
	29th	10	29.883	29.782	94	78	47	Calm	6.0	.....	C	m
	30th	10	29.804	29.693	94	78	47	N	4.5	.....	C	m
	31st	10	29.853	29.874	89	82	73	S S E	2.8	.....	CK, P	.....
	June 1st	10	29.828	29.819	91	81	63	W S W	4.2	.....	CK	.....
	2nd	10	29.788	29.809	92	84	70	W S W	6.2	.....	CK, P	.....
	3rd	10	29.770	29.791	91	83	70	S S W	2.0	.....	CK, P	.....
	4th	10	29.719	29.740	91	84	74	N W	4.8	.....	CK, P	.....
DIAMOND ISLAND.	May 26th	10	29.679	29.700	92	82	61	N W	6.7	.....	CK	.....
	27th	10	29.675	29.696	89	82	73	W	4.7	.....	CK, P	.....
	28th	10	29.818	29.889	89	82	76	W	5.6	1.40	.....	b
	29th	10	29.860	29.891	88	82	76	W N W	6.9	1.00	.....	b
	30th	10	29.801	29.843	89	83	73	N N W	7.9	.....	.....	b
	31st	10	29.756	29.797	88	83	80	N N W	7.9	.....	.....	.....
	June 1st	10	29.729	29.770	87	83	81	N N W	3.9	1.59	C	.....
	2nd	10	29.701	29.718	83	79	81	N N W	5.9	.....	C	.....
	3rd	10	29.632	29.674	83	80	88	N W	8.9	0.28	C	.....
	4th	10	29.690	29.768	85	81	63	S W	6.1	.....	.....	b
CUTTACK.	May 26th	10	29.700	29.779	95	83	59	W S W	2.5	.....	C, CK	c
	27th	10	29.670	29.749	94	82	58	S S W	3.1	.....	CK	.....
	28th	10	29.645	29.715	91	83	70	N E	4.3	1.20	CK, K, C	.....
	29th	10	29.655	29.735	92	81	61	S W	1.5	.....	.....	b
	30th	10	29.615	29.694	96	82	53	S S W	3.4	.....	C	c
	31st	10	29.607	29.686	95	82	56	S S W	1.5	.....	C	c
	June 1st	10	29.779	29.794	93	85	71	W S W	11.4	.....	C, CK	c
	2nd	10	29.779	29.794	93	85	71	S S W	4.8	.....	C, CK	c
	3rd	10	29.788	29.781	92	84	70	S	6.9	.....	C, CK	c
	4th	10	29.730	29.754	94	85	68	S S E	4.9	.....	CK, PK, C	.....
VIZAGAPATAM. PALER POINT.	May 26th	10	29.734	29.749	91	83	70	W S W	6.7	1.20	.....	b
	27th	10	29.700	29.715	93	82	61	W S W	8.1	.....	C	c
	28th	10	29.700	29.715	93	85	71	Calm	5.3	.....	C	c
	29th	10	29.778	29.807	92	82	64	S W	2.7	.....	.....	b
	30th	10	29.798	29.827	92	82	64	S W	2.9	.....	.....	b
	31st	10	29.773	29.804	93	80	55	W by S	2.8	.....	.....	b
	June 1st	10	29.731	29.762	94	84	64	S S W	2.0	.....	.....	b
	2nd	10	29.729	29.767	93	82	61	S S E	2.5	.....	.....	b
	3rd	10	29.711	29.743	91	82	58	W by S	2.1	.....	.....	b
	4th	10	29.689	29.720	91	84	74	W by S	2.0	1.50	.....	b
MADRAS.	May 26th	10	29.813	29.835	92	81	61	S S E	1.0	.....	.....	a
	27th	10	29.668	29.720	69	81	69	S E	1.4	.....	.....	b, a
	28th	10	29.829	29.851	94	80	52	S W by S	1.0	.....	.....	b, a
	29th	10	29.703	29.725	92	83	67	S E by E	1.4	.....	.....	b, c
	30th	10	29.840	29.868	94	79	49	S S W	1.0	.....	.....	b, c
	31st	10	29.712	29.734	91	81	63	S E by E	1.4	.....	.....	b, c
	June 1st	10	29.813	29.835	97	78	40	W S W	8	.....	.....	b, c
	2nd	10	29.706	29.728	91	81	60	E by N	9	.....	.....	b, c
	3rd	10	29.767	29.789	98	80	43	S W by W	8	.....	.....	b, c
	4th	10	29.626	29.648	94	81	52	S E by E	12	.....	.....	b, c
COLOMBO.	May 26th	10	29.785	29.787	97	77	38	N	7	.....	.....	c
	27th	10	29.661	29.683	91	79	57	S E by E	11	.....	.....	c
	28th	10	29.783	29.805	98	79	41	W N W	5	.....	.....	c
	29th	10	29.667	29.689	94	81	55	E S E	9	.....	.....	c
	30th	10	29.888	29.909	83	78	79	S W	9.1	0.70	.....	c
	31st	10	29.918	29.959	79	77	91	S by E	6.9	2.80	.....	c
	June 1st	10	29.918	29.957	77	75	91	W by N	4.9	5.20	.....	c
	2nd	10	29.865	29.905	85	79	76	S W	9.8	0.50	C	a, r
	3rd	10	29.865	29.905	86	80	76	S W	9.8	.....	C	.....
	4th	10	29.883	29.924	84	81	87	S S W	5.2	4.10	.....	.....
	5th	10	29.880	29.920	87	81	78	S W	6.0	.....	C	.....

Velocity of wind in miles per hour.

**Results of the Meteorological Observations taken at the Alipore Observatory from 26th May to 1st June 1878.**

Month.	Date.	Maximum in sun.	Mean pressure: barometer at 32° Fah.	TEMPERATURE				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1878.		☉	Inches	☉	☉	☉	☉	☉	Inches	☉	%			Inches	
May	26th	155.9	20.735	79.5	91.6	16.1	78.5	70.4	0.870	75.0	87	Till 4½ P.M. S S W, till 9½ P.M. S round W, N and E, till mid. night W S W through S W.	184	0.10	Chiefly cloudy, o, g, t, l, br, p, and
"	27th	154.7	20.723	80.7	93.7	21.9	71.8	79.1	0.975	78.5	93	Till 8 A.M. W S W, till 2 P.M. S through S W, till midnight N W by N through S W and W.	190	1.62†	Chiefly cloudy, o, g, t, l, d, p and
"	28th	153.9	20.704	82.3	93.4	18.1	75.3	79.7	0.982	78.7	89	Till 10 A.M. S through N and E, till 6 P.M. S S W, till mid. night S back again round W, N and E.	130	0.27†	Chiefly cloudy, o, g, t, l, d and p.
"	29th	150.3	20.682	84.2	95.3	17.9	77.4	79.4	0.938	77.3	79	Till 2 P.M. N W through S W and W, till mid. night S W through W.	109	0.04†	Day cloudy, partially clear, night
"	30th	152.8	20.693	85.8	97.7	18.7	79.0	79.5	0.925	76.9	75	Till 9 A.M. S W, till midnight N W through W.	125	Nil.	Clear, and w.
"	31st	153.8	20.635	87.0	99.5	18.6	80.9	80.4	0.951	77.7	74	Till 10 A.M. S W through W, till 4 P.M. N N W through W and N W, till mid. night S through W and S W.	106	"	Clear.
June	1st	157.7	20.617	88.9	99.6	17.2	82.4	80.8	0.944	77.5	69	Till 11½ A.M. S, till midnight W by N through S W.	53	"	Day cloudy, partially clear, night clear, f and w.

\* Fell at 7-57 P.M. of the 26th.

† Fell at 6-25 P.M. of the 27th.

‡ Fell at 6-10 P.M. of the 28th.

The mean pressure of the seven days ...

The average pressure of the corresponding period for 25 years, S. G. Office ...

The mean temperature of the seven days ...

The average temperature of the corresponding period for 25 years, S. G. Office ...

The extreme variation of temperature during the seven days ...

The maximum temperature during the seven days ...

The mean relative humidity during the seven days ...

The average relative humidity of the corresponding period for 25 years, S. G. Office ...

The total fall of rain from 26th May to 1st June 1878 ...

The average fall of the corresponding period for 25 years, S. G. Office ...

The total fall from 1st January to 1st June 1878 ...

The average fall of the corresponding period for 25 years, S. G. Office ...

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, l lightning, br lightning reflection, p passing temporary showers, K thunder-storm, s strong wind, d drizzling, f foggy, and w dew.

METEOROLOGICAL OFFICE, INDIA,  
The 3rd June 1878.

ALEXANDER PEDLER,  
For Offg. Meteorological Reporter to the Government of India.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

Statements showing the total amount of Traffic and Tolls on the Canals for the month of April 1878.

## Kendrapara Canal.

LENGTH OF CANAL OPEN—39 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

## LOCAL TRAFFIC.

## (1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
134	Paddy	21,241	42,482	33,945	1,213	42,474	444 8 0	.....
107	Rice	32,134	1,24,958	41,883	1,496	55,088	631 12 9	.....
13	Salt	2,931	14,655	4,729	168	8,442	40 8 0	.....
5	Kochila	850	1,650	1,320	46	1,750	18 8 0	.....
21	Gram	3,749	22,124	5,244	187	6,840	71 6 0	.....
1	Lime	130	37	214	8	320	3 0 0	.....
1	Tilseed	300	1,200	408	15	600	6 0 0	.....
2	Hides	900	9,000	1,154	41	1,640	16 14 0	.....
1	Bamboo mats	50	100	105	4	120	1 8 0	.....
1	Earthen rings	40	20	65	2	24	0 4 0	.....
3	Garbe	70	700	95	3	48	0 12 0	.....
2	Straw	155	37	236	9	168	2 4 0	.....
1	Castor seeds	100	500	240	8	240	2 4 0	.....
19	Jaggery	2,800	14,000	4,652	166	2,465	31 6 0	.....
1	Miscellaneous	200	200	338	12	360	4 14 0	.....
4	Sleepers	2,575	7,775	3,230	115	4,600	48 15 9	.....
2	Gingelly, &c. (Messrs. Bullock, Welsted & Co.'s boat.)	4,600	13,400	4,600	164	6,560	75 9 0	.....
2	Firewood (ditto ditto ditto)	1,350	195	1,350	48	1,920	29 4 0	.....
30	Timbers	7,242	24,704	10,096	361	13,220	141 10 0	.....
1	Gallnuts	300	300	402	14	560	6 0 0	.....
2	Betelnuts, &c.	930	15,305	1,005	36	1,440	20 1 0	.....
1	Peace-goods, &c. (ditto ditto ditto)	290	19,890	290	10	400	6 1 6	.....
4	Sundries (ditto ditto ditto)	2,075	36,107	2,102	75	2,000	44 9 0	.....
2	Khurree	215	430	380	13	510	5 4 0	.....
21	Bamboos	2,611	207	3,113	111	3,870	33 0 0	.....
8	Spices, &c.	1,229	22,630	2,167	77	3,070	32 0 3	.....
1	Mustard seeds	60	180	120	5	200	1 14 0	.....
1	Ghee, &c.	163	11,300	168	6	240	5 10 6	.....
5	Passengers	.....	.....	293	10	400	4 6 2	.....
311	Empty boats	.....	.....	33,653	1,180	37,254	357 6 2	.....
704	Total	89,379	3,84,276	1,57,007	5,693	1,93,723	2,085 14 10	0 20
346	Total of same month last year	28,973	75,037	62,859	2,245	48,342	620 9 6	0 29
MISCELLANEOUS.								
10	Timbers, 265 in number	.....	1,100	.....	.....	.....	64 2 0	.....
10	Bamboos, 14,420 in number	.....	272	.....	.....	.....	19 14 7	.....
10	Demurrage on boats	.....	.....	.....	.....	.....	5 8 0	.....
10	Total	.....	1,372	.....	.....	.....	80 8 7	.....
23	Total of same month last year	.....	929	.....	.....	.....	62 6 10	.....

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

1	Lime	100	25	168	6	96	0 12 0	.....
1	Tools	80	1,200	132	5	150	1 4 0	.....
1	Bamboo mats	130	260	240	9	270	2 4 0	.....
4	Laterite stone	2,100	41	2,859	102	2,800	24 6 0	.....
7	Empty boats	.....	.....	1,387	40	980	15 10 0	.....
14	Total	2,390	1,526	4,786	171	4,296	48 4 0	0 21
74	Total of same month last year	9,820	953	24,723	883	25,613	237 4 0	0 17
MISCELLANEOUS.								
54	Boats passed free	.....	.....	.....	.....	.....	.....	.....
54	Total	.....	.....	.....	.....	.....	.....	.....
17	Total of same month last year	.....	800	.....	.....	.....	2 0 0	.....

## TRAFFIC BETWEEN CUTTACK AND SEABOARD.

## (1) PRIVATE.

776	Total	.....	.....	.....	.....	.....	.....	.....
776	Total of same month last year	1,03,416	3,41,099	1,81,354	6,477	2,59,080	2,639 12 8	0 19
MISCELLANEOUS.								
10	Total	.....	.....	.....	.....	.....	.....	.....
10	Total of same month last year	.....	1,788	.....	.....	.....	174 10 0	.....

*Kendrapara Canal—continued.*

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.	
		Weight of cargo.	Value of cargo.	Mds.	Tons.				
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.									
		Mds.	Rs.				Rs. A. P.	A. P.	
	Total	..	.....	.....	.....	.....	.....	.....	
12	Total of same month last year	...	812	123	3,225	115	4,600	46 8 10	0 1 9
	MISCELLANEOUS.								
	Total	..	.....	.....	.....	.....	.....	.....	
18	Total of same month last year	...	.....	16	.....	.....	.....	1 8 0	.....

## ABSTRACT—LOCAL TRAFFIC.

714	Private, including miscellaneous	89,379	3,85,648	1,57,007	5,603	1,93,723	2,175 7 5	
68	Government stores, including miscellaneous	2,390	1,526	4,786	171	4,206	48 4 0	
782	Total	91,769	3,87,174	1,61,793	5,774	1,98,019	2,223 11 5	
490	Total of same month last year	38,799	77,719	87,551	3,128	73,955	912 4 4	

## TRAFFIC BETWEEN CUTTACK AND SEABOARD.

	Private, including miscellaneous							
	Government stores, including miscellaneous							
	Total							
816	Total of same month last year	1,01,224	3,43,026	1,84,579	6,592	2,63,680	2,912 7 6	
782	Grand total	91,769	3,87,174	1,61,793	5,774	1,98,019	2,223 11 5	
1276	Grand total of same month last year	1,43,027	4,20,745	2,72,166	9,720	3,37,635	3,824 11 10	
	Deduct amount of tollage for February and March 1877, erroneously debited to the Mahanudy division.						62 2 0	
							3,772 9 10	

## MEMO.

Unrecovered balance on the 1st of the month						Rs. A. P.	
Amount of tollage for the month						1,051 10 4	
						2,223 11 5	
Amount credited in the accounts for the month					Total	3,275 5 11	
						2,127 7 11	
Balance at the end of the month						1,147 14 0	

*High Level Canal.*

## LENGTH OF CANAL OPEN—37 MILES.

## LOCAL TRAFFIC.

## (1) PRIVATE

17	Salt	2,512	12,560	4,253	152	4,092	89 8 0	
9	Gallnuts	1,380	1,380	2,765	99	3,357	40 15 0	
11	Tamarind	1,055	5,275	2,112	75	2,564	30 15 0	
12	Timber	922	2,996	1,846	66	2,241	29 4 0	
7	Jaggery	980	1,900	1,612	59	848	9 12 0	
2	Cotton	300	3,000	511	18	327	3 14 0	
1	Tiles	100	2	190	7	241	3 0 0	
3	Gram	141	211	293	10	227	2 10 0	
2	Straw	200	62	484	17	141	2 6 0	
1	Coconut	50	75	90	3	109	1 3 0	
68	Empty boats			6,616	236	5,711	69 4 2	
5	Passenger boats			446	16	541	7 0 9	
32	Paddy	3,489	3,489	7,008	270	8,509	101 8 6	
17	Rice	2,415	4,830	4,830	173	5,832	70 3 0	
187	Total	13,544	38,780	33,086	1,181	25,560	441 8 8	0 2 3
222	Total of same month last year	22,274	67,014	45,035	1,609	42,875	558 4 0	0 2 5
	MISCELLANEOUS.							
2	Timber, 9 in Number		36				1 4 0	
2	Total		36				1 4 0	
	Total of same month last year							

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

		Mds.	Rs.				Rs. A. P.	A. P.
49	Rubble stone	14,623	228	29,247	1,015	1,045	144 4 0	
3	French shutters	1,030	5,150	2,194	78	2,664	32 10 0	
1	Tools	80	400	195	7	227	2 10 0	
1	Sand	200	3	255	9	109	1 4 0	
67	Empty boats			16,519	690	5,838	93 8 0	
110	Total	15,933	5,781	48,410	1,729	9,893	274 14 0	0 5 3
109	Total of same month last year	12,154	7,857	21,720	776	13,676	218 10 0	0 3 4
	MISCELLANEOUS.							
1	Bamboos, 4000 in number		50				10 0 0	
3	Boats passed frog							
4	Total		50				10 0 0	
3	Total of same month last year							

High Level Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
130	Private, including miscellaneous	13,544	38,816	33,086	1,181	35,560	432 12 8	...
114	Government stores, including miscellaneous.	15,933	5,931	18,410	1,729	9,893	284 14 0	...
303	Grand Total ...	29,477	44,647	51,496	2,910	45,453	717 10 8	..
333	Grand total of same month last year ...	34,123	71,871	66,784	2,385	56,551	806 14 0	...

MEMO.				Rs. A. P.	
Unrecovered balance on the 1st of the month				299	8 0
Amount of tollage for the month				717	10 8
Amount credited in the accounts for the month				Total	1,017 2 8
Balance at the end of the month				683	9 5
				334	2 3

Taldunda Canal.

LENGTH OF CANAL OPEN—27 MILES.

LOCAL TRAFFIC.

(1) PRIVATE.

21	Paddy	6,806	7,695	10,868	386	6,211	27 0 5	.....
8	Rice	3,631	9,100	6,317	190	190	3 5 3	.....
1	Timbers	397	50	609	22	323	1 8 0	.....
2	Straw	154	25	494	17	472	1 3 9	.....
1	Bamboos	240	30	150	14	208	1 2 0	.....
1	Till seeds	234	936	452	16	233	1 1 3	.....
40	Empty boats	...	...	8,782	313	4,075	17 11 1	.....
74	Total	10,864	17,766	26,883	960	10,712	52 15 9	0 9
96	Total of same month last year	10,514	14,370	22,599	807	6,917	43 8 0	1 2
MISCELLANEOUS.								
...	79 logs	...	105	...	...	...	15 10 0	...
...	3,200 bamboos	...	115	...	...	...	4 9 4	...
...	Demurrage of three boats for fifteen days	...	...	...	...	...	3 12 0	...
...	Total	...	280	...	...	...	23 15 4	..
...	Total of same month last year	...	730	...	...	...	12 0 8	...

(2) STORES AND MATERIALS FOR IRRIGATION WORKS.

7	Rubble	2,882	103	5,021	179	358	12 8 11	...
7	Empty boats	...	...	2,139	76	153	5 5 8	...
14	Total	2,882	103	7,160	255	511	17 14 7	6 7
22	Total of same month last year	3,562	155	9,762	319	3,485	21 6 6	1 3
MISCELLANEOUS.								
...	Total	...	...	...	...	...	...	...
...	Total of same month last year	...	160	...	...	...	17 6 8	...

ABSTRACT.

		Mds.	Rs.				Rs. A. P.	
74	Private, including miscellaneous	10,864	18,046	26,883	960	10,712	52 15 1	.....
14	Government stores, including ditto	2,882	103	7,160	255	511	17 14 7	.....
89	Grand total	13,746	18,149	34,043	1,215	11,223	69 13 8	...
118	Grand total of same month last year	14,076	15,415	32,361	1,156	10,492	127 5 10	.....

MEMO.				Rs. A. P.	
Unrecovered balance on the 1st of the month				0	0 0
Amount of tollage for the month				94	13 8
Amount credited in the accounts for the month				Total	94 13 8
Balance at the end of the month				17	14 7
				76	15 1

**SOUTII-WESTERN CIRCLE.**

### *Midnapore Canal.*

LENGTH OF CANAL OPEN—53 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
28	Coal and coke	7,330	2,944	14,925			123 2 6	.....
36	Retal-leaves	1,558	7,818	4,390			29 14 3	.....
2	Bricks and tiles, 1,500 in number	190	45	799			5 8 0	.....
4	Bamboos, 235 in number	80	31	505			1 8 6	.....
37	Brass and copper and their manufactures	5,497	1,49,465	14,290			122 14 3	.....
5	Cotton, raw	450	9,000	1,300			11 0 0	.....
40	Cotton, twist and yarn (European)	4,970	1,58,780	18,875			119 12 9	.....
14	Cotton, piece-goods (European)	1,450	2,22,000	4,080			35 12 9	.....
2	Ditto ditto (Indian)	22	4,400	230			2 0 3	.....
1	Cocoanuts, 5,000 in number	30	150	150			1 5 0	.....
15	Curd	790	2,370	3,150			27 9 0	.....
043	Empty boats			95,085			453 5 0	.....
40	Earthenware	3,140	968	8,700			51 7 9	.....
164	Fruits and nuts of all kinds	12,550	21,978	30,320			118 15 9	.....
23	Firewood	2,375	707	5,715			27 15 0	.....
57	Gram and pulse	6,880	27,420	17,980			139 7 9	.....
2	Gunny-bags, 1,300 in number	55	185	230			2 0 0	.....
1	Gunny cloth, 100 in number	25	250	125			0 7 6	.....
2	Glass-ware	50	500	200			1 12 0	.....
1	Hides of cattle, untanned, 3,000 in number	300	3,750	675			5 0 6	.....
5	Horns	400	10,000	1,275			11 2 6	.....
4	Indigo seed	870	12,750	1,950			17 1 0	.....
4	Iron and its manufactures	370	8,700	1,050			8 9 0	.....
1	Jute raw	20	60	80			0 4 9	.....
4	Lime and lime stone	500	456	1,200			8 8 0	.....
1	Lime seed	10	25	40			0 3 3	.....
64	Mustard	10,320	41,280	25,725			203 2 0	.....
38	Miscellaneous	1,855	4,343	7,570			63 8 6	.....
2	Other oilseed	100	400	325			1 3 8	.....
5	Other saline substances	470	1,275	1,400			12 4 0	.....
788	Passenger boats			44,170			316 7 3	.....
22	Paddy	2,475	4,419	4,890			25 1 3	.....
272	Rice	60,045	1,80,625	1,07,073			831 2 3	.....
13	Spices	1,160	11,369	3,265			28 1 0	.....
55	Salt	16,340	62,635	31,540			260 10 9	.....
20	Sand	8,724	430	10,725			62 11 6	.....
41	Sugar, unrefined	4,235	15,697	10,375			51 4 9	.....
1	Sugar, refined	25	250	100			0 14 0	.....
4	Silk, raw	76	37,140	650			5 0 0	.....
31	Straw, 502 kahans	4,684	1,967	15,470			74 8 9	.....
5	Stone plates	160	3,200	500			4 6 0	.....
16	Sal piles, 134 in number	300	230	625			8 11 3	.....
8	Timber, 126 in number	805	2,030	2,450			15 14 6	.....
29	Tobacco	2,493	15,315	7,145			50 2 3	.....
106	Vegetable and other kinds of provision	8,345	20,230	23,080			102 9 9	.....
4	Wheat	400	1,150	1,050			8 11 0	.....
3040	Total	1,73,385	10,47,031	5,26,160	18,791	2,13,984	3,452 1 3	0 0
1446	Total of same month last year	1,06,978	3,74,528	2,62,690	9,024	1,77,272	3,140 1 6	0 0
MISCELLANEOUS.								
...	Passengers, 6766 in number	.....	.....	.....	.....	.....	100 2 0	.....
5	Demurrage, &c.	.....	.....	.....	.....	.....	40 11 6	.....
5	Boats passed free	.....	.....	.....	.....	.....	.....	.....
5	Total	.....	.....	.....	.....	.....	140 13 6	.....
16	Total of same month last year	.....	745	.....	.....	.....	48 3 9	.....
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
8	Coal	Mds.	Rs.				Rs. A. P.	A. P.
2	Bricks, 18,000 in number	4,600	1,425	7,460			65 3 0	.....
1	Sundry piles	1,000	270	2,500			21 14 0	.....
1	Timber, 2 in number	400	200	1,400			5 4 0	.....
7	Empty boats	50	100	75			0 4 0	.....
19	Total	6,050	1,995	13,275	474	7,183	106 12 0	0 21
...	Total of same month last year	.....	.....	.....	.....	.....	.....	.....
MISCELLANEOUS.								
...	.....	.....	.....	Nil	.....	.....	.....	.....
...	Total	.....	.....	.....	.....	.....	.....	.....
...	Total of same month last year	.....	.....	.....	.....	.....	.....	.....
ABSTRACT.								
3,045	Private, including miscellaneous	1,73,385	10,47,031	5,26,160	18,791	2,13,984	3,592 14 9	.....
19	Government stores, including miscellaneous	6,950	1,995	13,275	474	7,183	106 12 0	.....
3,064	Grand Total	1,79,435	10,49,026	5,39,434	19,265	2,21,167	3,701 10 9	.....
1,462	Grand Total of same month last year	1,06,978	3,74,273	2,62,690	9,024	1,77,272	3,188 5 3	.....
MEMO.								
Unrecovered balance on the 1st of the month						Rs. A. P.	1,780 15 5	.....
Amount of tollage for the month							3,701 10 9	.....
Amount credited in the accounts for the month						Total	5,471 10 2	.....
Balance at the end of the month							6,187 15 9	.....
							10 5	.....

*Hidgellee Tidal Canal.*

LENGTH OF CANAL OPEN—29 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			

## LOCAL TRAFFIC.

## (1) PRIVATE.

		Mds.	Rs.				Rs. A. P.	A. P.
550	Paddy	1,12,280	1,81,997	2,21,905			3,795 13 9	
353	Rice	57,336	1,45,129	1,15,340			1,335 8 0	
16	Sugar, unrefined	1,085	4,089	3,815			54 1 3	
1	Sugar, refined	200	600	525			9 8 3	
2	Jute	63	189	245			4 6 9	
250	Miscellaneous	13,994	87,510	56,750			867 15 0	
1	Shell lime	100	40	225			4 1 3	
1	Milk	7	14	30			0 5 3	
4	Firewood	85	37	785			5 10 6	
12	Coal	3,310	838	6,225			65 2 0	
36	Tamarind	1,095	1,956	4,885			60 8 9	
6	Sand	575	68	985			0 12 3	
12	Hemp	1,600	6,800	4,025			27 10 9	
37	Salt	8,022	31,914	17,440			263 3 9	
1	Hotel leaves	5	30	40			0 11 3	
2	Hotel nuts	165	2,500	750			13 0 6	
1	Copper plates	6	600	100			1 13 0	
1	Iron	15	60	90			1 9 9	
13	Mustard seed	947	4,048	4,025			67 14 3	
3	Tobacco	34	220	455			7 5 6	
2	Furniture	45	4,800	165			1 2 0	
2	Ghooting	950	212	1,225			8 6 9	
1	Oil cake	50	50	115			0 13 9	
4	Cotton	120	1,800	900			13 8 0	
1	Clothes, 3 bales	7	400	160			2 11 6	
27	Straw, 210 kahans	3,550	496	7,565			52 6 3	
11	Mats, 15,400 in number	1,550	7,723	3,625			26 9 9	
7	Timber, 44	208	524	750			14 9 3	
6	Bamboos, 2,170 in number	525	240	511			15 0 9	
12	Earthenware, 13,010 in number	252	182	1,370			12 6 8	
2	Hardwood, 7,500	450	90	1,100			17 14 0	
4	Cocoanuts, 3,000 in number	84	71	600			8 1 6	
1	Sondree wood, 15	15	50	40			0 4 3	
1	Curun wood	4	30	100			0 11 0	
1	Skins, 100 in number	115	4,000	125			0 13 9	
1	Tiles, 750	75	25	225			1 8 9	
894	Empty boats			98,855			1,246 5 3	
22	Passenger boats			1,275			13 0 0	
2,301	Total	2,09,738	4,95,340	5,51,686	19,810	4,50,830	8,027 13 9	0 3 3
2,106	Total of same month last year	2,13,071	3,07,030	5,55,265	19,831	4,56,113	8,237 11 3	0 3 4
	MISCELLANEOUS.							
	Passengers, 129 in number						2 9 3	
	Demurrage, &c.						28 8 9	
	Total						31 2 0	
86	Total of same month last year		4,788				108 15 3	

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

2	Sand	260	13	450			3 1 6	
5	Ghooting	1,050	84	1,775			12 3 3	
6	Empty boats			550			3 12 3	
18	Total	1,310	97	2,775	99	1,000	19 1 0	0 3 3
	Total of same month last year							
	MISCELLANEOUS.							
	Total							
	Total of same month last year							

## ABSTRACT.

2,301	Private, including miscellaneous	2,09,738	4,95,340	5,51,686	19,810	4,50,830	8,028 13 9	
13	Government stores, including miscellaneous	1,310	97	2,775	99	1,000	19 1 0	
2,314	Grand total	2,11,048	4,95,437	5,54,461	19,909	4,51,830	8,048 0 9	
2,582	Grand total of same month last year	2,13,071	3,11,818	5,55,265	19,831	4,56,113	8,436 10 6	

## MEMO.

	Unrecovered balance on the 1st of the month					Rs. A. P.	
	Amount of tollage for the month					1,124 0 0	
						8,078 0 9	
	Amount credited in the accounts for the month				Total	9,202 0 9	
	Balance at the end of the month					8,852 4 0	
						349 12 3	







## Patna Canal—continued.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton miscargo.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
ABSTRACT.								
100	Private, including miscellaneous	Mds.	Rs.				Rs. A. P.	A. P.
461	Government stores, including miscellaneous	10,841	28,573	10,391	823	31,877	1,257 14 6	.....
		48,502	9,747	1,25,029	4,407	1,21,011	1,610 15 0	.....
561	Grand Total	60,343	38,320	1,14,420	5,200	1,52,888	2,868 13 6	....
		Deduct demurrage shown in January 1878					7 6 9	
...	Grand total of same month last year	.....	.....	.....	.....	.....	2,861 8 9	.....

MEMO.		Rs. A. P.	
Unrecovered balance on the 1st of the month	...	...	454 15 2
Amount of tollage for the month	...	...	2,861 0 9
		Total	3,316 5 11
Amount credited in the accounts for the month	...	...	2,937 15 7
Balance at the end of the month		...	378 6 4

ABSTRACT.					
CANALS.	TOLLAGE OF THE YEAR 1878-79.		TOLLAGE OF THE YEAR 1877-78.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Kendraparah .. .. .	2,223 11 5	2,223 11 5	3,772 9 10	3,772 9 10	
High Level, Section I .. .. .	717 10 8	717 10 8	806 14 0	806 14 0	
Taldanda .. .. .	94 13 8	94 13 8	127 5 10	127 5 10	
Total Orissa Circle .. .. .	3,036 3 9	3,036 3 9	4,706 13 8	4,706 13 8	
SOUTH-WESTERN CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Midnapore .. .. .	3,701 10 9	3,701 10 9	3,188 5 3	3,188 5 3	
Hidgeloo Tidal .. .. .	8,078 0 9	8,078 0 9	8,436 10 6	8,436 10 6	
Total South-Western Circle .. .. .	11,779 11 6	11,779 11 6	11,624 15 9	11,624 15 9	
SONE CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Arrah .. .. .	432 7 3	432 7 3	1,416 8 3	1,416 8 3	
Western Main .. .. .	157 4 3	157 4 3	327 0 6	327 0 6	
Patna .. .. .	2,861 6 9	2,861 6 9	...	...	
Total Sone Circle .. .. .	3,451 2 3	3,451 2 3	1,743 14 9	1,743 14 9	
Grand Total .. .. .	18,267 1 6	18,267 1 6	18,075 12 2	18,075 12 2	

F. T. HAIG, Col., R.E.,  
 Joint Secy. to the Government of Bengal,  
 P. W. Dept., Irrigation Branch.

The 22nd May 1878.

Report of Fluctuation of Traffic on the Eastern Bengal Railway for four weeks ending 27th April 1878.

EASTERN BENGAL RAILWAY, TRAFFIC MANAGER'S OFFICE, SEALDAH, THE 27TH MAY 1878.

Report on the Goods Traffic of Eastern Bengal Railway for the four weeks ending 27th April 1878.

Dated Calcutta, the 27th April 1878.

From—W. INNES, Esq., Acting Traffic Superintendent,

To—The Agent, Eastern Bengal Railway, Sealdah.

THE weight of goods carried by this Railway Company during the four weeks ending 27th April was maunds 6,74,924, which, as compared with the quantity carried during the corresponding period of last year, shews a decrease of maunds 1,91,177. This decrease is mainly in drums of jute; foreign railway materials, salt, seeds, sugar, and tobacco

Decreases.

Jute, drums of ... Mds. 13,074

This decrease is owing to the season being over earlier than last year, and the demand for this staple being quieter.

Foreign railway materials ... Mds. 5,268

This decrease is accounted for by the bulk of material for the Northern Bengal State Railway having already been despatched.

Salt ... Mds. 12,758

This shews a considerable decrease and is accounted for by the heavy rain and storms during last month, which affected the boating of this staple; but during the first three weeks of this month, as compared with the same period of last year, I am glad to state that there has been an increase of nearly 14 per cent.

Seeds ... Mds. 2,17,114

This large increase is attributable to the cessation of exports to the famine districts.

Sugar ... Mds. 4,028

The cause of this decrease is owing to a deficient crop, as explained in my last report.

Tobacco ... Mds. 4,772

This is an improvement over last month, the decrease being attributable to fluctuation in the market.

Increases.

Cotton, bundles ... Mds. 3,405

This is owing to the increased number of cotton-mills which have lately been started in the neighbourhood of Calcutta.

Gunny, bundles and bales ... Mds. 8,967

This is satisfactory, and is accounted for by the increasing demand for this manufacture.

Tea ... Mds. 900

This slight increase is owing to the opening of the Northern Bengal State Railway, the crop being earlier in the Darjeeling district than in Assam and Cachar, the districts from which we have hitherto derived our traffic in this staple.

Miscellaneous ... Mds. 58,715

This increase is satisfactory, and is also accounted for by the opening of the Northern Bengal State Railway.

I attach the usual statement of increases and decreases, and with reference thereto, beg to remark that the month compared in this report has been a comparatively quiet month; the falling off in the traffic is owing to the dull state of the market generally, and it should be remembered that last year there was a brisk demand for exports to the famine districts of the land produce of the country traversed by this Railway; the unusual heavy rain too for this time of the year has had a depressing effect on trade generally in the Eastern districts.

Statement of Increases and Decreases in maundage of Staples carried by the Eastern Bengal Railway Co. for the four weeks ending 27th April 1878, in comparison with that of the corresponding period of 1877.

DESCRIPTION.	1877.		1878.		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Ale, beer, wine, &c. ...	840	7	1,359	.....	847	1,359	512	.....
Cotton, bundles of ...	204	410	4	4,075	614	4,079	3,465	.....
Ditto, bales of ...	1,558	.....	.....	231	1,550	231	.....	1,325
Grain, including rice ...	1,173	2,51,032	3,690	2,47,318	2,52,205	2,51,008	.....	1,199
Gunny, bundles of ...	1,608	25	4,848	3,877	1,533	8,723	7,190	.....
Ditto, bales of ...	29	6,920	.....	8,728	6,949	8,728	1,777	.....
Hides, bundles of ...	.....	12,794	402	10,981	12,794	11,383	.....	1,411
Ditto, bales of ...	.....	.....	.....	.....	.....	.....	.....	.....
Jute, drums of ...	11	1,05,908	.....	92,843	1,05,917	92,843	.....	13,074
Ditto, bales of ...	.....	.....	.....	230	.....	230	230	.....
Piece-goods ...	17,603	8	18,252	219	17,571	18,471	.....	1,100
Railway material, foreign ...	18,072	.....	12,804	.....	18,072	12,801	.....	5,268
Salt ...	39,018	.....	36,260	.....	40,018	36,260	.....	12,758
Seeds ...	1,908	2,70,140	3,301	60,633	2,81,048	61,934	.....	2,17,114
Sugar ...	351	41,024	1,337	36,010	41,375	37,317	.....	4,028
Tea ...	1	128	1	1,050	139	1,057	928	.....
Tobacco, bundles of ...	.....	23,840	419	18,640	23,840	19,088	.....	4,772
Ditto, bales of ...	.....	.....	.....	.....	.....	.....	.....	.....
Turmeric ...	.....	10,200	3	8,724	10,200	8,727	.....	1,473
Twist ...	2,938	1,434	3,813	134	4,422	3,950	.....	472
Miscellaneous ...	19,044	18,907	61,111	35,615	38,011	96,726	68,715	.....
Total ...	1,14,216	7,51,885	1,45,605	5,29,319	8,66,101	6,74,924	72,817	2,63,994
					6,74,924	.....	.....	72,817
Decrease ...	.....	.....	.....	.....	1,91,177	.....	.....	1,91,177

# Report of Fluctuation of Traffic on the Tirhoot State Railway for the Month of April 1878.

## TIRHOOT STATE RAILWAY.

### INCREASES.

Food-grains	...	Mds. 27,611
This increase is due to the steady growth of traffic	...	
Indigo	...	Mds. 35
This is merely a remnant of last season's manufacture	...	
Iron	...	97
The greater portion of this is due to large consignments of machinery imported by the planters of the district	...	
Piece goods	...	4,005
The increase in this staple of traffic is the natural result of the facilities afforded to traders	...	
Railway materials	...	Mds. 3,099
This is exceptional, and is due to transfers of surplus permanent-way material to other State Railways	...	
Seeds, oil	...	Mds. 36,627
This increase is very satisfactory, and represents the highest maundage of any one particular staple yet attained.	...	
Saltpetre	...	Mds. 3,293
This traffic is uncertain, and is regulated according to the demand for the staple in the Calcutta and other marts	...	
Tobacco	...	Mds. 6,108
This being the first month of the season, the increase is satisfactory.	...	
All other goods	...	Mds. 35,552
This is a general traffic, and the increase is most satisfactory.	...	

### DECREASES.

Hides and horns	...	Mds. 2,107
The traffic in this staple falls off as the hot season advances.	...	
Seeds - Indigo	...	Mds. 10,405
This is not the month for sowing	...	
Salt	...	Mds. 1,173
This is unsatisfactory and cannot be accounted for as every inducement is held out to traders	...	

### TRAFFIC DEPARTMENT

Statement showing Increases and Decreases in Maundage of Staples carried over the line, during the month of April 1878, as compared with the corresponding period of 1877

STAPLES.	1877.		1878.		1877.	1878.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
Food-grains	159	4,355	1,506	30,561	4,513	32,157	27,611	...
Hides and horns	3,151	...	...	1,044	3,151	1,044	...	2,107
Indigo	...	...	...	35	...	35	...	...
Iron	607	107	809	...	712	809	...	97
Piece-goods	997	...	4,391	11	997	5,002	4,005	...
Railway materials	2,121	3,084	...	9,298	5,295	8,298	3,099	...
Seeds - Indigo	13,461	...	2,306	...	14,061	2,306	...	10,465
Seeds - Oil	1,202	5,905	...	45,734	7,107	45,734	36,627	...
Salt	5,429	...	4,256	...	5,429	4,256	...	1,173
Saltpetre	...	9,757	...	13,050	9,757	13,050	3,293	...
Tobacco	...	13,111	19,219	...	13,111	19,219	6,108	...
All other goods	11,875	6,797	21,322	32,002	18,672	54,224	35,552	...
	38,999	43,116	55,189	1,29,635	82,115	1,94,824	1,16,745	13,746
Increase	.....	...	...	...	...	82,115	13,745	...
	.....	...	...	...	...	1,02,709	1,02,709	...

W. M. JOHNSON, Traffic Superintendent.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 25th May 1878 on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN						
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.		Coach- ing.	Merchan- dise.		Total.						
		Rs.	A. P.		£	s. d.					Rs.	A. P.	£	s. d.		
Total traffic for the week	132,107½	1,37,983	11 3	12,049	8 0	15,00,417	30	5,90,642	12 9	51,112	5 1	7,28,636	8 0	46,987½	112,803½	159,681½
Or per mile of railway		107	13 3		9 17 8			461	8 6	12	6 2	569	5 9			
For previous 20 weeks of half-year	2,765,211	40,32,939	13 7	369,687	19 8	2,92,05,211	30	1,04,01,648	0 6	990,159	17 9	1,48,31,005	14 1	922,318	2,074,163½	3,006,461½
Total for 21 weeks	2,897,318½	41,70,953	8 10	382,337	8 2	3,07,05,629	20	1,13,92,288	13 3	1,014,293	2 10	1,55,63,212	0 1	979,205½	2,186,047½	3,165,163
COMPARISON.																
Total for corresponding week of previous year	117,519½	1,33,300	1 0	12,210	11 1	14,23,114	0	5,08,135	0 0	51,829	1 0	7,31,341	7 6	44,084	118,781	163,445
Per mile of railway, corresponding week of previous year	.....	104	1 5		9 10 10	.....		467	6 2	42	16 10	571	7 7	.....	.....	.....
Total to corresponding date of previous year	2,908,066½	42,89,537	11 8	393,207	12 0	2,81,13,245	0	1,17,74,669	0 11	1,074,344	13 3	1,60,04,206	12 7	984,004	2,199,121	3,183,785

EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 25th May 1878 on 223½ miles open.

		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	Rs. A. P.			
Total traffic for the week ...	7,179	24,993 11 6	2,291 1 10	1,66,632 20	53,328 1 0	4,888 8 1	78,311 12 6	4,773	11,902	16,675
Or per mile of railway		111 11 "	10 4 10		238 3 5	21 16 11	350 0 8			
For previous 20 weeks of half-year	114,204½	4,35,518 10 6	39,922 10 10	31,50,506 20	9,16,187 2 0	81,011 7 0	13,52,006 1 6	99,070	209,187	304,257
Total for 21 weeks	121,383½	4,60,512 0 0	42,213 12 8	33,17,139 0	9,69,515 8 0	88,899 15 1	14,30,327 14 0	108,843	221,089	324,632
COMPARISON.										
Total for corresponding week of previous year	5,380½	13,004 11 3	1,192 1 11	2,45,198 0	60,747 2 0	5,567 11 5	73,741 13 3	4,518	16,437	20,955
Per mile of railway, corresponding week of previous year	.....	58 1 11	5 6 7	.....	271 7 3	24 17 8	329 9 2	.....	.....	.....
Total to corresponding date of previous year	162,765	5,36,850 15 0	49,211 0 9	51,26,243 30	12,78,165 10 3	117,165 3 8	18,15,016 9 3	104,458	327,945	432,403

EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 25th May 1878 on 158½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				Total receipts.										
	Number of passengers.	Coaching receipts.			Weight earned.	Receipts.													
		Rs.	A. P.	£ s. d.		Mds. s.	Rs.	A. P.		£ s. d.	£ s. d.								
Total traffic for the week ... ..	40,285	29,163	0	9	2,673	6	8	1,79,210	3	44,281	1	9	4,059	2	0	6,732	8	8	
Or per mile of railway	311	184	1	7	16	17	10	1,132	18	279	13	1	25	13	6	42	10	10	
For previous 20 weeks of half-year ... ..	813,543	6,53,980	3	10	59,918	14	10	38,67,170	34	9,98,191	0	10	84,259	17	6	113,191	9	12	4
Total for 21 weeks ... ..	892,833	6,83,119	13	7	62,622	1	0	40,40,380	37	9,52,472	8	7	87,309	19	6	119,952	1	0	
COMPARISON.																			
Total for corresponding week of previous year	42,094	22,018	7	2	2,618	7	2	2,56,492	30	43,721	0	7	4,007	15	3	6,626	2	5	
Per mile of railway, corresponding week of previous year	266	139	2	2	12	15	1	1,620	32	276	4	6	25	6	6	38	1	7	
Total to corresponding date of previous year ..	789,066	5,35,995	1	3	48,949	10	11	47,06,641	27	8,54,750	12	9	78,269	9	10	127,210	0	9	

BENGAL PROVINCIAL RAILWAYS.

Weekly Statement of Traffic Receipts.

No. 16.

Latest return received.	Name of Railway.	Length open.	RECEIPTS FOR WEEK ENDING		TOTAL RECEIPTS FROM 1ST JANUARY		Total increase in 1878.	Total decrease in 1878.
			21st April 1877.	20th April 1878.	To 21st April 1877.	To 20th April 1878.		
			Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
20th April	Northern Bengal	179		19,807 0 0		1,91,157 0 0	1,91,157 0 0	
4th May	Tirhoot	82	5,103 0 0	8,534 0 0	72,481 0 0	1,38,092 0 0	65,611 0 0	
4th "	Calcutta and South-Eastern	29	2,002 0 0	2,406 0 0	31,115 0 0	45,618 0 0	14,503 0 0	
20th April	Nailgha	27½	1,764 0 0	1,563 0 0	26,005 0 0	34,200 0 0	8,195 0 0	
	Total	309½	8,869 0 0	32,370 0 0	1,33,261 0 0	4,69,067 0 0	2,75,806 0 0	

## WHOLESALE PRICES-CURRENT of Food-grains, Firewood, and Salt

Number.	MARTS.	PRICES PER MAUND														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULRUSH MILLET— CUMDOO BAJRA.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 10 6	3 13 6	...	2 8 0	2 8 0	...	7 0 0	7 0 0	...	3 15 0	3 14 6	...	...	...	...
2	Serajunge*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Dacca ...	4 3 0	4 0 0	...	2 6 0	1 14 0	...	3 15 0	3 14 0	...	3 4 0	3 2 0	...	...	...	...
4	Naraingunge	...	...	...	...	...	...	3 5 6	3 5 0	...	3 4 0	3 3 0	...	...	...	...
5	Chittagong ...	...	...	...	...	...	...	4 12 0	5 8 0	...	3 12 0	3 14 0	...	...	...	...
6	Patna ...	3 1 3	2 13 0	...	2 3 3	2 2 6	...	4 14 0	4 11 6	...	3 4 3	3 1 3	...	...	...	...
7	Balaore ...	4 8 0	4 2 0	...	...	...	...	3 8 0	2 12 0	...	2 4 0	2 4 0	...	...	...	...
8	Poorce ...	...	...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	...	...	...
9	Cuttack ...	4 2 0	4 2 0	...	...	...	...	6 6 0	6 6 0	...	3 4 0	3 4 0	...	...	...	...

\* Return not received.

CALCUTTA,  
The 11th June 1878.

in the undermentioned *Marts* of Bengal for the Fortnight ending 31st May 1878.

OF 40 SEERS.

GREAT MILLET— CHOLU, JOWAR.			LESSER MILLETS— RAGI OR MURWA AND CHRENA.			MAIZE OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
...	...	...	...	...	...	...	...	...	3 1 0	3 3 0	...	0 9 0	0 9 0	...	4 8 0	4 8 0	...	Calcutta.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Serajgunge. <sup>4</sup>
...	...	...	...	...	...	...	...	...	3 7 0	3 6 0	...	0 5 0	0 5 0	...	4 8 0	4 8 0	...	Dacca.
...	...	...	...	...	...	...	...	...	3 15 0	3 10 0	...	0 11 0	0 11 0	...	4 6 0	4 5 0	...	Naraingunge
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	2 10 9	2 8 0	...	2 10 9	2 10 9	...	...	...	...	...	...	...	Patna.
...	...	...	...	...	...	...	...	...	4 8 0	4 4 0	...	0 5 10	0 5 10	...	5 0 0	5 2 0	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	3 8 0	1 12 0	...	...	...	...	2 6 0	2 6 0	...	0 3 0	0 3 0	...	3 8 0	3 8 0	...	Cuttack.

Published for general information.

D. BARBOUR,  
*Offg. Secy. to the Govt. of Bengal.*



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 19th to 25th May 1878.	Rain from 26th May to 1st June 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.		
					Inches.	Up to date.			
BENGAL.									
BUCKHAW.	WESTERN DISTRICTS.		Inches.	Inches.	1878.				
		Burdwan ...	Burdwan ...	2.09	1.80	18.26	1st June		
			Cutwa ...	0.58	Nil	12.13	ditto		
			Culina ...	2.12	0.12	18.88	ditto		
			Bond-Bond ...	0.77	0.32	10.19	ditto		
			Rancegunge ...	0.68	0.84	10.51	ditto		
		Jehanabad ...	Jehanabad ...	0.26	1.29	15.17	ditto		
		Bankoora ...	Bankoora ...	0.40	1.13	13.04	ditto		
		Beerbhoom ...	Sooree ...	2.37	0.02	12.46	ditto		
			Hetampore ...	2.79	0.05	10.16	ditto		
			Roypore ...	1.65	Nil	10.81	ditto		
		Midnapore ...	Midnapore ...	Nil	0.47	6.53	ditto		
			Tumlook ...	0.50	4.28	15.38	ditto		
Ghatal ...	Nil		Not recd.	7.52	25th May	Not received 12th to 18th May. Ditto 5th to 11th "			
Hooghly ...	Contai... { Dy. Collr.'s Office ...	ditto	0.52	4.65	1st June				
	Hooghly ...	{ Eac. Engr.'s Office ...	ditto	0.84	8.15		ditto		
		Hooghly ...	1.00	2.54	20.58	ditto			
Howrah ...	Seraampore ...	1.57	1.63	15.81	ditto				
	Howrah ...	0.70	1.85	18.14	ditto				
PRESIDENCY.	CENTRAL DISTRICTS.	Mahanadaka ...	Mahanadaka ...	0.30	1.40	18.33	ditto		
		24-Pergunnahs ...	Saugor Island ...	1.00	0.40	6.60	ditto		
			Alipore ...	{ Observatory ...	0.16	2.03	16.65	ditto	
				{ Dispensary ...	0.14	2.01	21.70	ditto	
				{ Jail ...	0.14	2.08	21.40	ditto	
			Buaseerhat ...	1.50	2.58	17.85	ditto		
			Baraset ...	0.50	1.38	18.25	ditto		
			Diamond Harbour ...	0.25	1.52	17.58	ditto		
			Barrapore ...	0.70	0.54	16.24	ditto		
			Satkhira ...	0.90	2.62	19.53	ditto		
			Barrackpore ...	1.70	1.56	15.86	ditto		
			Dum-Dum ...	0.74	1.31	17.14	ditto		
			Kishnaghur ...	0.67	1.43	12.59	ditto		
			Pongong ...	1.24	0.97	18.77	ditto		
			Meherpore ...	0.94	Nil	8.13	ditto		
			Nuddea ...	Choudanga ...	3.89	0.40	19.20	ditto	
		Kooshtea ...		2.31	1.24	13.88	ditto		
		Ranaghat ...		0.34	1.68	25.31	ditto		
		Jessore ...		1.84	2.74	23.39	ditto		
		Narail ...		3.01	1.31	10.81	ditto		
		Jessore ...	Khoolna ...	0.40	1.73	17.90	ditto		
			Jhemdah ...	1.10	0.55	16.28	ditto		
			Bagulhat ...	1.73	1.10	16.38	ditto		
			Mugoorah ...	1.33	1.29	20.60	ditto		
			Berhampore ...	1.78	0.21	7.66	ditto		
		Moorshedabad ...	Rampore Haut ...	1.95	Nil	11.89	ditto		
			Lalbagh ...	2.65	ditto	7.96	ditto		
			Jungypore ...	0.37	0.59	9.15	ditto		
			Azimungge ...	2.74	Nil	10.83	ditto		
Lalgolla ...	1.03		0.04	8.02	ditto				
RAJSHAHY.	Dinagepore ...	Kandee ...	2.76	Nil	11.77	ditto			
		Dinagepore ...	1.98	1.20	11.37	ditto			
		Raigunge ...	1.33	0.70	10.73	ditto			
	Maldah ...	Maldah ...	0.31	0.50	8.53	ditto			
		Chanchal ...	0.56	0.05	7.36	ditto			
		Banleh ...	2.15	Nil	10.24	ditto			
		Nattore ...	1.98	0.57	11.59	ditto			
		Rungpore ...	4.06	1.50	15.34	ditto			
	Rungpore ...	Bhabanigunge ...	4.44	1.61	20.82	ditto			
		Kurigram ...	Not recd.	Not recd.	15.37	18th May			
		Bagdogra ...	0.61	2.49	20.77	1st June			
Bogra ...	Bogra ...	1.82	1.38	12.58	ditto				
	Sherpore ...	4.25	1.15	15.53	ditto				
	Nowkhilla ...	1.38	1.73	13.91	ditto				
	Panchloli ...	1.14	Nil	12.28	ditto	Not received 12th to 18th May.			
Pubna ...	Pubna ...	3.02	0.40	12.10	ditto				
	Serajgunge ...	3.20	1.25	16.16	ditto				
Darjeeling ...	Darjeeling... { Telegraph Office ...	2.82	Not recd.	17.36	25th May				
	{ Hospital ...	2.48	Nil	15.23	1st June				
COOCH BEHAR.	Julpigoree ...	Julpigoree ...	1.74	1.09	18.58	ditto			
		Boda ...	0.24	0.72	9.60	ditto			
		Buxa—Civil Surgeon's Office	1.40	1.58	21.72	ditto			
		Titalya ...	0.96	1.30	10.75	ditto			
		Cooch Behar Tribu- tary States.	Cooch Behar ...	2.28	3.28	20.50	ditto		

DIVISION.	DISTRICTS.	STATIONS.	Rain from 18th to 25th May 1878.	Rain from 26th May to 1st June 1878.	RAIN FROM 1ST JANUARY 1878.		REMARKS.	
			Inches.	Inches.	Inches.	Up to date.		
BENGAL—continued.								
	EASTERN DISTRICTS.					1878.		
Dacca.	Dacca	Dacca. { Telegraph Office ...	2.36	Not recd.	14.57	25th May		
		{ Hospital ...	2.03	0.49	16.41	1st June		
		Moonsheegunge ...	2.70	3.83	21.89	ditto		
	Furiedpore	Manickgunge ...	1.51	Nil	11.27	ditto		
		Furiedpore ...	2.73	1.22	20.20	ditto		
		Gondwado ...	2.90	1.61	13.81	ditto		
	Backergunge	Madampore ...	0.65	2.32	26.85	ditto		
		Burrisal ...	0.77	1.97	11.77	ditto		
		Perozenpore ...	1.31	1.58	15.81	ditto		
	Mymensingh	Patoakhally ...	1.73	0.15	10.39	ditto		
		Bhola ...	1.26	1.14	9.17	ditto		
		Mymensingh ...	2.65	1.13	21.87	ditto		
	CHITTAGONG.	Chittagong	Jamulpore ...	4.27	1.24	22.18	ditto	
			Atia ...	2.87	2.09	13.39	ditto	
			Kishoregunge ...	1.23	0.29	11.63	ditto	
Chittagong		Chittagong { Telegraph Office ...	0.20	Nil	8.40	1st June		
		{ Jail ...	0.17	0.05	10.42	ditto		
		Cox's Bazar ...	1.97	Nil	11.52	ditto		
Noakholly		Noakholly ...	0.47	0.10	10.40	ditto		
		Fenny ...	3.23	0.32	13.07	ditto		
Tipperah		Comillah ...	3.84	0.17	20.42	ditto		
		Brhmunbarah ...	0.70	1.87	16.29	ditto		
Hill Tipperah	Chittagong Tracts. Hill { Rangamatee Hill ...	2.87	Nil	15.67	ditto			
	{ Ruina ...	2.08	Not recd.	15.05	25th May	From 17th February.		
PATNA.	Patna	Hill Tipperah ...	2.08	0.35	18.63	1st June		
		Patna ...	0.29	0.01	4.73	ditto		
		Behar ...	0.80	0.24	4.37	ditto		
		Barh ...	0.28	0.06	4.79	ditto		
	Gya	Dinapore ...	Nil	Nil	4.22	ditto		
		Gya ...	0.23	0.02	4.55	ditto		
		Nowadah ...	0.70	Nil	7.02	ditto		
		Aurangabad ...	Nil	ditto	3.64	ditto		
	Saahabad	Jehanabad ...	0.85	ditto	6.06	ditto		
		Arrah ...	1.06	ditto	5.28	ditto		
		Sasaram ...	0.69	0.17	3.61	ditto		
		Buxar ...	Nil	Nil	5.10	ditto		
	Mozufferpore	Bhuboah ...	ditto	ditto	4.96	ditto		
		Mozufferpore ...	2.02	0.35	7.88	ditto		
		Hajeepore ...	0.89	Nil	3.27	ditto		
	Durbhanga	Seetamurhee ...	0.28	0.79	9.52	ditto		
		Durbhanga ...	0.74	0.05	5.73	ditto		
		Mudhoobunnee ...	1.53	Nil	4.60	ditto		
	Saran	Taipore ...	0.11	0.15	5.05	ditto		
		Chupia ...	0.57	Nil	4.11	ditto		
	Chumparun	Sewan ...	Nil	ditto	4.26	ditto		
		Motiharee ...	0.35	0.10	5.89	ditto		
		Leftnah ...	0.05	0.04	3.28	ditto		
BHAGULPORE.	Monghyr	Segowlee ...	0.03	0.45	6.65	ditto		
		Monghyr ...	6.21	Not recd.	5.30	25th May		
		Bagoosera ...	0.51	ditto	6.32	ditto		
	Bhagulpore	Jamoeer ...		ditto		ditto		
		Bhagulpore ...	0.52		7.30			
		Soopool ...	0.48	0.31	8.29	1st June		
		Muddehpore ...	2.88	Nil	5.58	ditto		
	Purneah	Banka ...	3.20	0.30	9.09	ditto		
		Sonbursa ...	0.15	0.19	7.41	ditto		
			0.95	0.35	7.20	ditto		
Sonthal Pergunnah.	Sonthal Pergunnah	Purneah ...	0.77	Nil	7.73	ditto		
		Kisengunga ...	0.56	0.80	7.11	ditto		
		Arrareah ...	1.12	0.73	12.18	ditto		
	Sonthal Pergunnah	Nya Doonika ...	1.00	0.05	5.67	ditto		
		Rajmehal ...	3.20	Not recd.	18.85	25th May		
	Deoghur ...	0.30	ditto	9.97	ditto			
	Godda ...	0.47	ditto	11.25	ditto			

DIVISIONS	DISTRICTS	STATIONS	Rain from 1st to 25th May 1878	Rain from 26th May to 1st June 1878.	RAIN FROM 1ST JANUARY 1878		REMARKS
					Inches.	Up to date	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	1.50	1.20	5.90	1st June	
		... { Hospital	1.53	1.35	7.70	ditto	
		Japore	1.0	1.10	8.50	ditto	
		Kendraparah	1.50	0.10	8.20	ditto	
		Jagatsingapore	0.80	0.80	4.20	ditto	
	Poores	False Point	0.30	1.20	7.90	ditto	
		Poores	0.35	Nil	2.17	ditto	
		Khandah	0.54	0.40	5.10	ditto	
	Balasore	Balasore	0.59	Not recd.	13.57	25th May	
		Bhadrack	0.62	ditto	9.40	ditto	
		Jenhasore	1.31	ditto	13.39	ditto	
		Sorah	2.05	ditto	13.89	ditto	
	Cuttack Tributary Mouals.	Chandbaliy	1.58	ditto	10.59	ditto	
		Sumbalpor	0.99	ditto	6.41	ditto	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY						
	Hazareebagh	Hazareebagh... { Jail	Nil	0.14	0.13	1st June	
		... { Dispensary	0.08	0.03	5.71	ditto	
		Pachamba	0.18	Nil	4.68	ditto	
	Lohardugga	Ranchee	0.17	0.21	11.09	ditto	
		Palanow	0.25	0.10	4.60	ditto	
	Singbhoom	Chyehassa	0.81	0.48	11.44	ditto	
	Manbhoom	Purula	0.09	Nil	15.06	ditto	
		Govindpor	1.88	ditto	9.47	ditto	
	ASSAM & ADIA- CENT HILLS.						
	Sylhet	Sylhet	6.00	1.55	44.50	ditto	
	Sibsagar	Sibsagar	2.04	Not recd.	23.93	25th May	
		Golaghat	0.87	ditto	29.16	ditto	
		Jorhat	0.82	ditto	19.40	ditto	
		Akyab	1.00	Nil	5.70	1st June	
	Raipootana	Alwar	1.75	0.50	4.15	ditto	
		Jaipur	0.88	Nil	2.59	ditto	
		Sambhar	1.83	0.10	2.83	ditto	

CALCUTTA.  
The 8th June 1878.

ALEXANDER PBDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 2nd to 8th June 1878.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
ALIPORE.	June 2nd	10	29.648	29.667	93.0	74.5	46	S W by S	1.5	...	C	c
		16	29.513	29.534	94.6	78.2	37	N W by W	3.8	...	C	c
	3rd	10	29.636	29.657	91.6	82.8	69	S W by S	2.8	...	C	c
		16	29.564	29.585	90.0	80.2	61	E by S	9.8	...	K, CS	c
	4th	10	29.680	29.707	92.3	83.0	68	S S W	4.5	...	K, FK	c
		16	29.577	29.594	95.0	79.0	47	S W	10.3	...	C	c
	5th	10	29.601	29.622	92.0	82.9	67	S S W	12.4	...	K, FK	c
		16	29.584	29.605	91.4	83.5	65	S W	16.0	...	FK	c
	6th	10	29.655	29.676	91.8	82.9	70	S S W	16.3	...	FK	c
		16	29.552	29.573	91.5	81.1	66	S W	15.5	...	...	b
	7th	10	29.610	29.631	82.0	84.3	71	S W by S	13.3	...	FK	c
		16	29.517	29.538	91.0	83.8	67	S W	17.8	...	...	b
	8th	10	29.620	29.644	92.6	84.8	71	S S W	8.0	...	K, FK	c
		16	29.650	29.675	91.0	85.1	72	S W	15.0	...	...	b
	June 2nd	10	29.645	29.661	91	84	71	S	4.2	...	PC	b, m
		16	29.510	29.516	93	85	71	S	9.1	...	PC	b, m
NAGPUR ISLAND.	3rd	10	29.623	29.629	91	84	74	S	6.2	...	PK	b, m
		16	29.562	29.568	91	84	74	S E	10.6	...	PC	b, m
	4th	10	29.692	29.693	92	85	71	S W	14.4	...	FK	b, m
		16	29.602	29.608	92	85	74	S	13.6	...	PC	b, m
	5th	10	29.688	29.694	91	84	74	S	18.7	...	K, FK	b, m
		16	29.596	29.602	91	84	74	S	19.6	...	K, FK	b, m
	6th	10	29.677	29.683	91	84	74	S	17.0	...	K, FK	b, m
		16	29.568	29.574	92	85	74	S	19.2	...	C, CK	b, m
	7th	10	29.632	29.638	92	85	74	S S W	18.1	...	PC, FK	b, m
		16	29.514	29.550	92	85	74	S S W	22.1	...	K	b, m
	8th	10	29.650	29.676	92	86	74	S S W	17.2	...	PK, FK	b, m
		16	29.518	29.554	92	86	77	S	19.7	...	FK	b, m
CHITABUNG.	June 2nd	10	29.579	29.609	91	82	67	S S W	2.0	...	K, PK	o
		16	29.510	29.602	79	76	87	E N E	6.4	1.00	PK	r, u
	4th	10	29.686	29.776	89	82	73	S	10.8	2.80	PK	o
		16	29.674	29.764	89	82	73	S S E	8.0	...	PK	m
	6th	10	29.604	29.754	90	83	73	S S E	8.7	...	K	m
		16	29.614	29.734	91	82	67	Calm	7.3	...	FK	m
	8th	10	29.612	29.732	92	83	67	S	6.4	...	K	m
AKYAB.	June 2nd	10	29.614	29.625	88	80	69	N	2.5	0.50	CK, P	p
		16	29.714	29.765	81	77	83	S E	8.7	1.80	CK, P	
	4th	10	29.673	29.794	89	83	77	S	4.0	0.90	CK, P	
		16	29.806	29.828	82	74	67	S	3.0	...	P	
	6th	10	29.714	29.765	90	83	73	S	1.8	1.10	CK, P	
		16	29.731	29.752	90	84	73	S	2.0	...	KP	
	8th	10	29.721	29.742	90	82	70	W	1.8	...	CK, P	
		16	29.735	29.777	83	78	79	W	15.7	10.61	C	
DIAMOND ISLAND.	3rd	10	29.608	29.809	85	80	79	S S E	10.9	0.03	C	b
		16	29.811	29.855	85	82	87	S S E	8.8	0.83	C	o
	5th	10	29.778	29.819	88	82	84	S	5.2	...	...	b
		16	29.758	29.799	87	82	80	S S W	6.8	...	...	o
	7th	10	29.733	29.774	87	82	80	W S W	5.9	0.11	C	c
		16	29.733	29.774	85	81	83	W S W	5.3	0.70	C	c
CUTTACK.	June 2nd	10	29.568	29.647	96	81	70	W S W	1.8	...	C	c
		16	29.515	29.624	96	80	47	W S W	1.9	...	C	c
	4th	10	29.618	29.667	96	82	53	S S W	3.7	...	CK, C	b
		16	29.615	29.664	97	82	51	S W	0.1	...	...	
	6th	10	29.598	29.677	95	82	58	S	5.9	0.20	K, CK, C	
		16	29.575	29.654	96	82	53	S S W	8.0	...	K, CK, C	
	8th	10	29.655	29.634	96	84	59	S	4.5	...	C	c
		16	29.610	29.655	92	84	77	S E	1.4	...	C, CS	c
VIZAGAPATAM, FALSE POINT.	June 3rd	10	29.617	29.692	93	83	64	W	7.4	...	C	b
		16	29.694	29.709	94	85	68	S	6.1	...	K, CS	c
	5th	10	29.697	29.712	94	83	61	S	8.1	...	C, CK	c
		16	29.677	29.692	93	82	61	S	9.3	...	CK	b
	7th	10	29.654	29.769	93	84	67	S	9.8	...	C, CK	c
		16	29.634	29.649	98	75	61	S	10.3	...	C	b
VIZAGAPATAM, TRUE POINT.	June 2nd	10	29.631	29.612	94	82	58	S W	1.1	...	...	b
		16	29.617	29.658	92	82	64	S E	0.5	...	...	m
	4th	10	29.654	29.655	93	85	71	S E	1.3	...	...	b
		16	29.683	29.720	91	83	90	S E	1.5	...	...	m
	6th	10	29.677	29.708	93	81	64	S by W	1.8	...	...	b
		16	29.659	29.690	92	81	67	S	2.9	...	...	b
MADRAS.	June 8th	10	29.614	29.665	91	84	64	S E by S	3.8	...	...	m
		16	29.613	29.665	98	79	41	W by N	12	...	...	c
	2nd	10	29.619	29.671	96	82	53	E S E	11	...	...	c
		16	29.704	29.745	96	77	40	W S W	9	...	...	c
	3rd	10	29.630	29.661	95	81	53	E	9	...	...	c
		16	29.699	29.721	100	77	32	W by S	11	...	...	c
	4th	10	29.711	29.619	97	80	45	E S E	11	...	...	c
		16	29.711	29.707	98	76	53	W by S	11	...	...	c
	5th	10	29.618	29.611	98	80	43	S E	6	...	...	c
		16	29.637	29.759	94	78	47	N by S	15	0.03	...	cloudy
	6th	10	29.634	29.656	92	84	70	S S E	12	...	...	cloudy
		16	29.750	29.772	97	78	40	S W by W	10	...	...	c
COCHIN.	6th	10	29.617	29.619	91	79	57	S E by E	13	...	...	cloudy
		16	29.717	29.739	98	77	36	W S W	9	...	...	c
	7th	10	29.612	29.634	94	79	49	S E by S	14	...	...	c
		16	29.808	29.809	82	78	87	S E	3.3	0.40	...	o
	3rd	10	29.815	29.886	84	79	79	S W	10.6	0.70	...	o, q
		16	29.865	29.906	82	77	79	S W	7.8	0.50	C	
	5th	10	29.865	29.895	79	76	87	S E	11.4	2.50	...	o, r
		16	29.863	29.904	82	77	79	S W	11.8	0.50	...	o
	7th	10	29.858	29.890	84	78	75	S W	15.0	1.30	...	o, q
		16	29.903	29.914	80	77	87	S W	25.2	1.00	...	o, q

Velocity of wind in miles per hour.

## Results of the Meteorological Observations taken at the Alipore Observatory from 2nd to 8th June 1878.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Miles recorded.	Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1878.		☉	Inches	☉	☉	☉	☉	☉	Inches	☉	%				Inches	
June	2nd	162.2	29.600	87.4	99.4	20.2	79.2	78.4	0.851	74.4	65	Full noon S W by S through W, till 4 p.m. N W by W through S W and W, till midnight S through W and S W.	49	Nil	Partially and cloudy.	
"	3rd	158.9	621	85.2	95.0	13.9	81.1	80.9	.909	79.2	82	S and S E.	144	"	Day partially cloudy, night clear, f and w.	
"	4th	159.8	641	86.9	96.2	16.0	80.2	81.0	.978	78.6	76	S E, S and S S W.	179	"	Day partially cloudy, night clear, and w.	
"	5th	152.8	636	87.4	94.8	11.9	82.9	82.2	1.034	80.3	80	S S W and S by W.	225	"	Chiefly clear.	
"	6th	153.0	616	87.1	94.5	11.8	82.7	82.2	1.034	80.3	80	S S W and S by W.	258	"	Chiefly clear.	
"	7th	150.7	579	87.6	94.2	11.3	82.9	82.8	1.056	80.9	80	S S W and S by W.	278	"	Chiefly clear, and w.	
"	8th	150.5	600	87.3	96.7	13.8	82.9	82.5	1.048	80.7	81	Till 9 A.M. S W, till midnight S E by S through W, N and E.	266	"	Partially cloudy w, o, g, and l.	

The mean pressure of the seven days ... 29.613  
The average pressure of the corresponding period for 25 years, S. G. Office ... 29.586

The mean temperature of the seven days ... 87.0  
The average temperature of the corresponding period for 25 years, S. G. Office ... 86.1  
The extreme variation of temperature during the seven days ... 20.2  
The maximum temperature during the seven days ... 99.4

The mean relative humidity during the seven days ... 78  
The average relative humidity of the corresponding period for 25 years, S. G. Office ... 78

The total fall of rain from 2nd to 8th June 1878 ... Nil.  
The average fall of the corresponding period for 25 years, S. G. Office ... 1.78  
The total fall from 1st January to 8th June 1878 ... 17.60  
The average fall of the corresponding period for 25 years, S. G. Office ... 11.82

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

*w* dew, *f* foggy, *o* overcast, *g* gloomy and *l* lightning.

METEOROLOGICAL OFFICE, INDIA,

The 10th June 1878.

ALEXANDER PEDLER,

For Offg. Meteorological Reporter to the Government of India.

**Abstract of the results of the Meteorological Observations taken at the Alipore Observatory in the month of May 1878.**

	Inches.	Date.	Hour.
The mean pressure of the month ... ..	29·740		
The average pressure of 25 years ... ..	29·659		
The highest pressure during the month ... ..	29·903	2nd	22h.
The lowest pressure during the month ... ..	29·576	31st	16h.
The range of pressure during the month ... ..	0·327		
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The mean temperature of the month ... ..	80·6		
The average temperature of 25 years ... ..	86·0		
The highest temperature during the month ... ..	99·5	31st	16h.
The lowest temperature during the month ... ..	69·0	15th	6h.
The range of temperature during the month ... ..	30·5		
The mean daily range of temperature during the month ... ..	17·6		
The greatest range of temperature in one day during the month ... ..	21·9	27th	
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The mean humidity during the month ... ..	84		
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The mean vapour tension during the month ... ..	0·878		
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The average humidity of 25 years ... ..	73		
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The average vapour tension of 11 years ... ..	0·922		
The mean cloud proportion of the month ... ..	4·59		
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The total rainfall of the month ... ..	13·11		
The average fall of 50 years ... ..	5·55		
The greatest fall in 24 hours ... ..	2·18	3rd	
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The number of rainy days in the month ... ..	20		
The average number of rainy days of 25 years ... ..	13		
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The mean maximum equilibrium temperature of solar radiation of the month ... ..	152·1		
The mean difference of sun and air temperatures ... ..	60·0		
The greatest sun temperature ... ..	156·7	17th	
The greatest excess of sun over air temperature ... ..	65·7	15th	
The mean temperature of nocturnal radiation thermometer on woollen cloth ... ..	71·5		
The mean depression of nocturnal radiation thermometer below the minimum of air ... ..	3·0		
The greatest depression of nocturnal radiation thermometer below the minimum of air ... ..	4·8	23rd	
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The mean movement of the wind per day ... ..	145·3		
The greatest movement of the wind in one day ... ..	243·0	8th	
The greatest movement of the wind in one hour ... ..	24·0	4th	8h.
The number of hours under each of the 8 points—			

N30, NE36, E58, SE78, S211, SW181, W89, NW59, Calm 2.

The results of the observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore '003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1° or 1½° lower; and finally, the thermometer, which has furnished the record of temperature, at the Surveyor-General's Office during the last 20 years and upwards, is found to read 0·6° higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

JOHN ELIOT, M.A.,

*Offg. Meteorological Reporter to the Govt. of India.*

METEOROLOGICAL OFFICE, INDIA, the 10th June 1878.

## Weekly Return of Traffic Receipts on Indian Railways.

## EASTERN BENGAL RAILWAY.

*Approximate Return of Traffic for week ended 1st June 1878 on 158½ miles open.*

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. s.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	38,040½	24,090 1 9	2,203 5 2	1,13,840 34	33,467 14 5	3,067 17 10	5,331 3 0
Or per mile of railway ... ..	240	156 0 3	14 6 0	719 17	211 7 10	19 7 9	33 13 9
For previous 21 weeks of half-year ... ..	802,833	6,83,140 13 7	62,622 1 6	40,46,380 37	9,52,472 8 7	87,300 19 0	149,933 1 0
Total for 22 weeks ... ..	930,973½	7,07,339 15 4	64,885 6 8	41,60,230 31	9,85,940 7 0	90,377 17 4	153,263 4 0
COMPARISON.							
Total for corresponding week of previous year	33,829½	22,812 13 10	2,091 3 7	2,36,954 24	55,850 7 8	5,120 9 1	7,211 12 8
Per mile of railway, corresponding week of previous year ... ..	214	144 2 8	13 4 3	1,813 12	352 15 8	32 7 3	45 11 5
Total to corresponding date of previous year...	822,835½	5,56,807 15 1	51,040 14 6	40,93,596 11	9,09,610 4 5	83,380 18 11	134,421 13 5











